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CONTENTS

Page 1 Metals and Minerals Countries Page Page 8 Methods and Machines

Page 10

Companies and Other **Public Bodies**

Article D

Mining Digest E Editorial Highlights Industry in Action

INDEX CLASSIFICATION

L	Letters
M	Methods and Machine
ME	Company Meetings
MF	Mining Finance
MW	Mining Week

- **Notes and Comments Obituaries**
- Panorama **Book Reviews Metal Markets**
- This combined index covers the complete editorial content of both Mining Journal and Mining Magazine. Additional copies may be obtained from the Subscription Department.

New barytes mine in Scotland IA J031

Metals and Minerals

ALUMINIUM

Bunbury smelter agreement	IA	J031
Aluminium shipments down	IA	J031
Aluminium stocks rise	3	J046
Showa idles more capacity	IA	J049
Japan to buy Spanish		
aluminium	IA	J050
Portland completion deferred		J064
Italian aluminium cutback	IA	J065
Invergordon revival thwarted	IA	3081
Reynolds shuts down potlines	IA	J081
MMTC stops Al imports	IA	J082
Aluminium stocks mount	8	J095
Invergordon to be dismantled	IA	J099
More cutbacks for Conalco	TA	J113
Power problems for Volta		
Aluminium	IA	J113
Kaiser reconsiders plan	IA	J133
Setback for NW aluminium		
producers	MW	J145
Aluminium output falls	YA	J149
Boyne smelter opening	TA	J149
Taiwan Aluminium shutdown	TA	J149
Union talks on aluminium		
costs	IA	J150
Aluminium: an optimistic	***	0100
forecast	N	J157
VAW postpones aluminium	**	0.401
project	IA	J169
Reynolds confirms smelter	***	9709
expansion	TA	3170
Chinese smelter in	4.00	DATE
production	TA	J170
Sundavall cutback	IA	J170
Emurgency loan for Japanese	***	0110
amelters	MW	J180
Indian aluminium amelters		0.100
hit	IA	J187
European production down	TA	J203
Aluminium marks time	S	J215
Taiwan plant closure	IA	J220
Setback for aluminium but	14	3220
market balance improves		J234
Aluminium figures	IA	J278
Brazilian merger	IA	
Alumina contract for	IA	3279
Japanese	IA	J280
	IA	
Aluminium contract ended		
Aramoana plans collapse	IA	1293
Little hope for German		
smelter	IA	
Gladstone below capacity	IA	J309
First Al exports from	**	2011
Indonesia	IA	
Aluminium merger talks	IA	J311

considered	IA	J33
Peko to sell off Al	IA	J33:
Advance for Aluminium	8	J34
Japanese mission to discuss		
Albras	IA	J34
Aramoana talks next year	IA	J34
Hindalco plans expansion	IA	J34
Financing for Indonesian		
alumina	IA	J36:
Kaiser reassesses shipments	IA	J36
Agreement for Venalum	IA	J36
Primary aluminium output	IA	J38
Quebec decision on Baie		
Comeau	IA	J38:
Smelters	A	M43
Plans for Italian aluminium	-	
industry	IA	339
Alba boost	IA	341
Queer sland cutback expected	IA	342
Arco labour agreement		
expires	IA	J42
Optimism for aluminium	8	J43
Greek smelter progress	TA	J43
Taiwan Aluminium suspension	IA	J43
Alunorte delay agreed	TA	344
Grant for Italian aluminium		
industry	IA	346

Bolivian antimony output cut New Brunswick mine	IA	J187
preservation	IA	J450
APATITE		
Apatite in Ukraine	IA	J011

ARSENIC

Arsenic production from Yellowknife

ASBESTOS		

IA J434

IA J150 IA J420

BARYTES

U.K.	A	M413
BAUXITE		
Expansion plane scaled down	IA	J012
Cable Belt system for Alpart		J050
Los Pijiguaos plans	IA	J098
Bauxite output	IA	J099
Fall in Jamaican bauxite	IA	J113
Bauxite levy talks	IA	J134
Jamaica seeks barter derla	IA	J187
Jamaican bauxite	TA	J220
Jamaican bauxite: half year		
figures	IA	J238
Bauxite talks broken off	ZA	J239
Another blow for Jamaican		
U.S.S.R. to buy Indian	IA	J259
bauxite	IA	-
Kaiser to cut Jamaican	14	J281
operations	14	J294
	IA	J332
Bauxite agreement Witchell Plateau project	IA	2333
delayed project	TA	3345
	18	3349
No progress for producers		
or prices	MA	1392
First bauxite arrives at	TA	***
Aughinish	IA	J397
Guyana to sell bauxite to Venezuela	IA	J399
Bauxite agreement for Jamaic		1388
and U.S.S.R.	TA	J421
and U.S.S.R.	LA	3421
BEACH SANDS		
Properties of Bishands Bay	**	33.90

SENIO	MI	16		
entonite	in	Guangxi	IA	J23

CHROME

Chromite min	e on stream	IA	3
Greek emelte	r progresses	IA	3
Chrome ore m	renaration		14

Chromium: South African		
viewpoint	WW	334
Ferrochrome breakthrough for		
Middelburg	MW	J34
Hard times for Turkish		
chromite producers	MA	J38
Chromium in the Eastern bloc	H	J38
Nord seeks Ramu Tiver		

COAL

NZ coal consortium	IA	3011
Coal recovery project	IA	J011
Canadian coal mines suffer	IA	3012
Coal interest for Norcen	IA	3012
Coal stake sold	IA	J012
Coal priority	WW	3028
Coal export quotas announced		J025
Lignite in Dubrava	IA	J031
Lignite in Turkey	TA	J031
Financing for Quintette	IA	J031
Polish output up	IA	3033
More closures for Clutha?	IA	J033
Coal export levy eliminated	TA	J081
River diversion to aid		
mining	IA	J064
Glencoe colliery closure	IA	3065
W.A. coal handling plant	IA	J088
Opencast at Buckhead	A	M033
Coal in Canada	Ä	1040
Large wheel loaders as		
primary excavators	M	MOSS
Coal lease application	IA	J080
News on Glendell mine	IA	J080
New South Wales coal exports	IA	J081
Coal: focus on Queensland	H	3089
Major international coal		
industry exhibition,		
Donetek, USBR, 1983	M	J098
European help for Chinese	-	
coal search	IA	3098
Expansion detailed	IA	3098
Sinai mine contract	IA	J100
Coal slurry pipeline Bill		
approved	IA	J100
Meekatharra ungrades coal		
reserves	IA	3112
New coal deposits study	YA	J112
Work on Ridley Island	IA	3213
McAlpine participates in		
colliery expansion	IA	J114
Steam coal's prospects	N	J191
El Cerrejon loan cleared	IA	J139
McIntyre start-up delayed	IA	J132
	-	-100

Blackhill postponement Blair Athol financing	IA	J133 J133	Go-ahead for Indian coal	IA	J434	Camchib suspension \$100 million N.M. smelter		J238	Argyle diamond agreement Endeavour to sell Ashton	IA	J450
Supply of coal handling ayatom	IA	J134	Obed Marsh mine onstream next year	IA	J434	project	IA	J238 J238	diamonds through Antwerp	TA	J467
New life for Maghara coal	IA	J149	Erin mine closure? Government investment in	IA	J435	Copper smelters raise output	IA	J238	AAAM	***	0401
Oaky Creek coal	IA	J150 J151	Сапших	IA	J435		IA	J239	FLUORSPAR		
Indian coal mining agreement Kooragang contracts	IA	J151	Taiwan seeks coal and ore freight	IA	J436			J251 J269	Fluorspar mining suspended	IA	J134
Colliery contract awarded Shutdown for Fording Coal	IA	J151 J170	Australia's largest mobile crusher	M -	J447		NEW	J273	Industrial minerals in the U.K.		M419
WIN arranges coal sales U.E. coal: research and	IA	J171	Bond in coal jv Final approval for Oaky	IA	J449	Limited Cu price rise forecast	3	J275	Kenya fluorspar	A	M536
development German Creek's planned	H	J178	Creek Thin seam coal extraction	IA	J449 J450	Stuart Shelf copper find		J277 J277	GALLIUM		
expansion Nore coal from B.C.	IA	J186 J186	Kinneil colliery closure Coal and Allied wins supply	IA	J450			J278		MM	J108
Alberta coal mine in the		J187	contract Coal lease ban	IA	J450 J451	output	AI	J279	Gallium production considered by India	IA	
Offing China to double coal output U.K. coal exports to fall	IA	J187	Doubling its coal output Lignite leases to be	MM	J461		AI	J280	considered by India		0204
Chinese coal plant to come	IA	J187	returned	IA	J466	Trial operations for La		J291	GEMSTONES		
Coal search in South		J188	Coal in Inner Mongolia Gladstone contract for CSR	IA	J466 J467	Naoshima expansion	IA	J293 J294	Mechanised gemming fails in		
Australia Venezuela to seek loams for		J203	Batam Island coal study Lignite preparation plant	IA	J467		MM	J303	Sri Lanka Gemstones agreement		J170 J311
coal and steel projects Prok equipment contract for	IA	J202	constructed CEGB to reduce intake	IA	J468 J468	Alumbrera Copper contango comes and	MM	J303			
Curragh project New record for continuous	IA	J204	German hard coal mine goes for deeper reserves	P	M529	goes	SIA	J306 J309	GOLD		
miner	MA	J213	tor desper reserves		8000	Indian refinery expansion	IA	J309	Agnico-Eagle presses on		J005
Coal crusher at Maxim Gorki	IA	J220 J221	COBALT			Amacan shipments begin	IA	J309 J310	Carolin shutdown over The Lupin gold mine	MW	J011 J023
Sleigh coal stake sold HMG acquires Utah coal	IA		Completion of Zambian			Sur-Sur copper deposit,		J311	Indian offshore gold search Gold/silver prospecting in Sierra Leone		J031
Primary stripping with	IA	J221	vacuum refinery Cobalt calamity	MW	J196 J215	Chile Brazil's long term copper	P	M261	Aleutian gold project		J031 J031
Short term gloom	MA	M237 J233	U.S. cobalt Zaire to sell only half its	IA	J261	strategy	NW S	J321 J325	JV first gold shipments Gold coin for Australia		J032 J034
Long-term optimism Lignite deposit in Northern	MM	J233	cobalt	IA	J365	Codelco buys share in French	IA	J332	New shaft at Salsigne A tangled web	MW	J044 J045
Ireland Smoky River delay	IA	J237 J238	COPPER			The fibre-optic factor	MW S	J341 J342	Gold and silver shine	8	J062 J064
Problems for coal mining in	IA	1259	Copper leads recovery	8	J007	Inspiration uncertainty	IA	J345	Lancefield promise Queensland gold find	IA	J064
Hungary Kolubara plan	IA	J259	Copper find in Quebec Bad weather affects El	IA	J011	Copper stocks mount	S	J345 J359	Kangwane gold mine planned Willroy shaft progress	IA	J064 J064
Balmer mine shutdown Demand for S.A. coal drops	IA	J259 J260	Teniente	IA 8	J012 J027		IA	J363	Zimbabwe mines seek help from Government	n XA	J065
Bore investment needed Belvoir decision due	IA	J274 J277	Caution for copper Copper and ilmenite finds in		J031	Oman Mining on schedule	IA	J363 J363	June Krugerrand sales Mining and processing at	IA	J066
Northwest to halt coal operations	IA	J277	India Gibraltar halts copper			El Teniente crusher on	IA	J364	Masbate, Philippines London Gold Futures interest	A	M030
Equipment for coal-fired	TA	J280	Operations Chilean copper: April	IA	J031	Copper eases	SIA	J379 J382	wanes Metana reports on gold	8	J077
power station Coal sampling Crech anthracite	IA	J280 J293	figures Fall in U.S. copper	IA	J032	Sabah smelter plans dropped	IA	J382	drilling programme	IA	J080
China plane new coal	IA	J293	production Copper fabricators' concern	IA	J032 J033	White Pine refinery	IA	J382	Big Bell: more reserves Britain minting half		1080
Gujarat plans Transcontinental to sell	IA	J294	Cipec meets in Lima Chinese purchases lift	MM	J043	Falconbridge sells off	IA	J383	sovereigns Bamboo Creek jv	IA	J082 J098
coal unit	IA	J294	sopper	SIA	J046 J049	Oumites Smelters	IA	J384 M436	Nullagine gold Hill Minerals farms into	IA	J099
Government buys control of Wankie	MW	J305	Gaspe plans Government aid for copper	MW	J059	Woodlawn meets the challenge Mineral production targets	MW	J391 J392	gold prospects Results from Harbour Lights	14	J112
Further step for Belvoir China seeks aid to develop	IA	1309	producers Strong advance for copper La Granja feasibility study	8	J082	Copper sets the pace Further results from Winston	8	J393	drilling programme	IA	J112
McIntyre coal for Japan	IA	J309 J310	planaed	IA	J064	Lake	IA	J397	Argosy acquires gold prospect	IA	J112
India buys Polish coal	IA	J311 J311	Quintana closure Toyo capacity increases	IA	J065 J065	Copper project opened in India	IA	J398	Chinese army prospects for gold	IA	J112
Hartogen sells interest in			Copper loan approved Olympic Dam's increasing	IA	J065	Gecamines output CDCP Mining in debt	IA	J398	Samantha to re-open gold mine	IA	J113
Hartogen sells interest in Wambo project Loy Yang - major brown coal	IA	J311 N265	About turn for copper	MW	J075 J077	Fall in U.S. copper output Polish copper rise likely	IA	J398 J398	Krugerrand sales down Victoria gold solution?	IA MW	J113 J123
project China's coal industry	A	M281	Falconbridge tests copper		J080	Partial production at Nkana Year high for copper	IA 8	J398 J415	Promising progress at Aquarius	MW	J124
Coal markets fizzling out. Carbosulia progress More coal for Flair	MW	J318 J323	Zambian copper and cobalt	IA	J081	U.S. copper list price maintained	8	J415	Gold venture agreement	IA	J132 J132
More coal for Flair Chinese coal mine study	IA	J329 J329	Producers at odds Steadier tone for copper	8	J093 J095	Port Pirie copper plant La Caridad financing	IA	J419 J419	Hishikari gold mine Griffin's Find awaits improved gold price	IA	J132
Coal addition for Hampton	IA	J332 J341	Delay for Mauritanian copper	IA	J098	ZCCM smelter back to normal	IA	J419	Fimiston increase planned	IA	J134
Arckaringa feasible Coal find for Griffin Northwest Energy coal	IA	J344	project End of Gunpowder jv Copper shutdowns extended	IA	7099 7099	Cities Service operations for Newmont	IA	J420	Fall in gold from S.A. Bull market re-emerging	IA MW	J134 J146
disposal	IA	J346	Sar Chesmeh progress More gloom for copper	IA	J099 J110	Gibraltar Mines agreement Slow recovery?	IA	J421 J428	New shaft at Salsigne Shallow gold in Kalgoorlie	PIA	M081 J169
Thick seam mining aided by flyach fill	WW	J358	Windy Craggy drilling resumes	TA	J132	Further encouragement for Falconbridge Copper	IA	J434	Major gold/silver find Future for Golden Cross	IA	J169 J169
Order for Zeigler Coal E.E.C. encourages coal use	IA	J385 J386	Mexican copper loan defermen Cerro Colorado still on hold	AIS	J132 J132	Pasar scals down SPCC: no expansion plans yet	IA	J434 J435	Mercur gold mine on schedule Possible ore reserve update	IA	J170
Royalties waived for Smoky	MA	J378	East German copper smelter?	IA	J132	La Caridad ore for Japan Hudbay relies on Trout Lake	IA	J436 J444	for Lupin Brazilian gold	IA	J170 J170
Japan to get cheaper 8.A.	IA	J383	Lake Sone expenditure Duisburger Kupferhuette	IA	J133	Copper leads modest advance Noranda Newfoundland find	SIA	J446 J449	Gold surges on banking crisis	s	J183
Coal projects for Indonesia	IA	J384 J384	Buffers Decline in U.S. copper	IA	J134	Copper mine written off Sozacom copper expectations	IA	J449 J450	Newmont outlines gold deposit		J186
Anglo United buys Gowen mine	IA	J384	output Hayden smelter system £140 million tailings leach	IA	J149 J151	Copper also down	IA	J450	More gold for Long Lac	IA	J186
EGaG buys right-of-way for		J384	fl40 million tailings leach project in Zambia	P	M078	Sar Cheshmeh to increase output?	IA	J450	Shallow gold discovery in India	IA	J186
Coal system for Kellingley			Copper unsettled	BIA	J163 J169	Philippines mining - natural selection	MW	J461	Further work at Carpenter Lake	IA	J186
Colliery Drivage techniques in coal	IA	J384	News on Cerro Colorado	IA		Economics cause Andacollo tender suspension	IA	J466	Gold retreats Worcester mine evaluation	SIA	J199 J202
Daw Hill Colliery	IA	J384 H370	project Copper/sinc mine to close in		J169	Copper smelter to reopen Righer copper output	IA	J467 J467	El Indio gold output on	MA	J212
Opencast coal Coal slurry pipeline for	A	M393	Quebec White Pine copper refinery	IA	J170	DIAMONDS			JV for Mother Lode	IA	J219
U.S.S.R. JV to build U.S. coal	IA	J397	Copper fails to shine	MW	J181 J183	DIAMONDO			Argosy ceases operations Fall in Krugerrand sales	IA	J220 J221
terminal	IA		Call for bids on Andacollo Doubts over Caraiba Metais	IA	J186 J186	India offers to take Ashton output	IA	J013	Gold in Sudan Application for gold mining	IA	J237 J237
Bowen Basin cutback Endeavour reports on Rhondd	IA		CIPEC defends its position Copper market remains	MM	J196	CSO sales improve 3 Manitowoc 4600 dragline to	MW	J043	Old Cygnet mine to reopen LGFM switch to dollars	IA	J238 J251
Total offers cheaper coal to	- YA		depressed Bell copper mine closure	SIA	J199 J202	mine diamonds	MI	J100 J108	New gold find for Metana Indian gold find	IA	J258 J258
Yugoslavia's uphill struggle S.A. coal: Middelburg on	IA N	J399 J409	Polish copper output			Diamond venture underway Jwaneng becomes Botswana's		2108	Progress report on Beacon Property	**	J258
	MA	J411	Chile: Andina's new copper	IA	J202	third major diamond producer	MW	J123	Plans for Golden Rose	IA	J258
Meekatharra coal find Brandspruit mining record	IA	J418 J420	Copper price forecast	NW S	J212 J215	De Beers raises diamond prices	IA	J188	Gold mine costs rise Netana acquires land	IA	J259 J277
Polish mine's first output	TA		Bor mine on'schedule Cyprus Pima closure	IA	1330 1330	Diamond dredger for Zaire Diamond dredge for Zaire	IA	J203 J239	Braiorne gold project progress	IA	J277
Groups show interest in Ulas Coal	IA	J420	Update on Olympic Dam Monterrosas - a small	P	M171	Amhton one step nearer Argyle mine, Australia will	MW	J272	Krugerrand sales plummet Early success for LGFM	IA	J279
Forestwood to sell off	IA	J421	Peruvian Cu mine uses VCR	P	M171	be one of the world's major diamond producers	P	M261	dollar contract	8	J291
Coal leasing plans Wankie stake approval Coal found in Bihar State	IA	J421 J421	Toromocho copper project shelved	per	J232	Jwaneng diamond mine officially opened	P	M263	Cinols study ends soon Parings jv	IA	J293 J293
Coal found in Bihar State Growth in coal sales	IA	J434 J434	Copper under pressure Phelps Dodgs to restart	8	J232 J234	Funds for Guinea		J331	Hutti to reopen Mangalur	IA	J294
Lignite in Macedonia	IA	J434	Norenci operations	IA	J238	Ashton evaluation nears completion	MW	J357	New gold refining process Ring of confidence at Big	IA	J295
-											

	ev .	J304	Speculation over BSC				8	J027	Bullish phase for silver		
	A.	1309	Metal mining in the U.K.	A	J384 M409		IA	J112	Troy: - 20's new silver		J147
		3331	Hanna extends shutdowns		M439 J398	Taiwan nickel investment	IA	J146 J149	Tukon Ag-Pb-Zn discovery		M078
S.A. gold output down Krugerrand sales picking up?	or .	J331 J341		IA	J399		P	M179	shows promise Silver won from lead		J169
	IA .	J344 J344		IA	J399	Calls for wider LME nickel	A	M112	concentrates Silver glitters for	IA	J203
Gold results from Kalgoorlie Kinross drilling record		J344 J346	No improvement in sight	HW	J409 J413	contract Falconbridge resumes	S	J199	speculators Roxby Downs silver	8	J291
Volatile gold in 1983?		J359 J363	Permanent shutdown of	IA	J419	Dominican operations	IA.	J213 J219	predictions		J294 J306
Dome drilling	IA .	J363 J363	Mid-year exports from Cassinga	IA	J420	Gasquet Mountain - a U.S. nickel laterite project	P	M170			J325
Agassiz update S.A. gold rise		J363 J364	Wabush closure	IA	J421 J435	Study group proposed	MW	J249	Escalante Sunshine mine resumption	MW	J357
Gwillim back in operation Indian gold target		J364 J364	Algeria to increase iron ore output	IA	J435	Falconbridge re-opening planned for January Glimmer of hope for nickel	IA	J279 J288	planned Silver the exception	IA	J364 J379
Au reserv4s at Broulan's	IA	J382	Taiwan seeks coal and ore	IA	J435	N.Z. smelter plans New nickel pilot plant	IA	J293 J305	Mineral production targets Precious metals shine		J392 J415
Gold and copper finds Problems for Bachelor Lake		J382 J382		IA MW	J436 J443	Cerro Matoso shipments begin Falconbridge shutdown	IA	J310 J331	U.S. silver sales curbed Prosperity-Porter Idaho	8	J446
Lupin mine: commercial	IA .	J383	Gos steel plant proposed	IA	J450	Nickel contract for Sumitomo and WMC	IA	J332	workings Clayton mine reopens	IA IA	J449 J449
Ore reserve assessment for		J383	LEAD			New lows for nickel Gatooma smelter: assured	8	J342		***	0440
Harbour Lights: good		M409	Yugoslav mines to double			future Showa halts nickel output	AI	J346 J364	STRONTIUM		
prospect Central Kalgoorlie plans		J397	output Lead and zinc	IA	J012 J046	Albania orders nickel plant Clydach resumes output	IA	J365 J383	New technology boosts demand for strontium	MW	J445
drilling on new lease Further studies for Lynx/		J397	Lead and zinc: May output Lead waits	IA	J065 J110	Smelters Inco resumption plans	A	M441 J397			0440
Dejour Afrikander Lease starts		J397	NIM commissions lead plant Blagodat mine expansion Confusion for lead	IA	J133 J133	SLN considers future of nickel mine	IA	J398	SULPHUR		
milling own gold ore		J398 J415	Lead languishes	S	J163 J183	Inco plans inventory reduction		J435	Slow recurrent forecast Kuwait awards contract to	MM	J378
Pancontinental resumes drilling at Paddington		J419	Threat of lead/zinc mines closure	IA	J187	Metals Exploration to close Nepean		J435	PHB Weserhütte	IA	J420
Horse Canyon go-ahead Paringa expansion	IA	J419 J419	Polaris mine Lead stumbles along	AS	M180 J251	Codemin's new Ni mine commissioned	MM	J443	TALC		
McLaughlin contract awarded	IA	J421 J421	New Rajasthan Pb-Zn smelters proposed	NEW	J273	Hitura on care and maintenance	IA	J449	Timmins talc boost	TA	J259
	IA	J421 J429	Avonmouth returns to production	IA	J277	Empress nickel closure	IA	J467			
Deep underground borehole Gold deposits for sale	IA	J432 J436	Lead and zinc firmer Ambitious smelter project	S	J291	OIL			TIN		
Sedimentary gold potential Croinor plans considered	IA	J449 J449	proposed Lead and zinc steady	MW S	J304 J306	Parachute update	IA	J049	Sixth tin pact inaugurated Dredge to halt operations	B IA	J007 J011
New shaft for President Brand	IA	J449	Elura on schedule Lead/zinc output	IA	J323 J364	Yaamba project proceeds Oil majors think again	IA	J098 J108	Bolivia to attend tin producers' meeting	IA	J013
Mexico lifts export restrictions on gold	IA	J451	Lead and zinc steady Shadow over Cyprus Anvil	SIA	J379 J383	Dravo to work on tar sands project	IA	J149	Steady undertone for tin Bolivia may join 6th ITA	SIA	J027 J034
Expanded gold output for Morro Velho	MW	J462	Smelters Lead and zinc quiet	A	M439 J393	Morocco's synfuel plans White River awards contract	P	M172	ITC sets export quotas Quieter times for tin	IA 8	J034 J046
Mystic joint venture Haoma gold mines hopes	IA IA	J466 J466	Yugoslavia's uphill struggle Under scrutiny	N	J409 J413	for mine development Greek problems for Denison	IA	J293 J365	Tin venture: cost estimate Peninsular tin	IA	J049 J049
U.S. Antimony discovers gold	IA	J466	Lead producers sell forward Pine Point shutdown	SIA	J415 J419	Oil companies and mining Thai shale to be studied	MW	J376 J434	Tin production improves Buffer stock support for LMI	MW	J060
GRAPHITE			Lead and zinc languish New Yugoslavian mine	SIA	J431 J435	Synfuels - scaling down Brazil to reduce oil imports	N	J441	tin Wodgina treatment starts up Fall in tin exports	SIA	J062 J064
More graphite for Orrwell		J132	Major investment in lead and zinc	MW	J445				Fresh hopes for tin	S	J086 J077
Pakistan graphite	IA	J329	Rally for lead Fall in U.S. lead output	S	J446 J450	PALLADIUM			Help for Thai Pioneer Tin to the fore	IA	J081 J095
GYPSUM			Yugoslav lead-zinc find	IA	J466	Soviet Union to cut 1983			On a tightrope Tin fluctuates	S	J107 J110
Industrial minerals in the	1	M419	MAGNESIUM			supplies	MM	J462	Carnon Consolidated to acquire Billiton plant That tin	IA	J113
0.8.	15	WATE	Further fall in output	MA	J197	PHOSPHATE			Producers postpone tin	IA	J127
IRIDIUM			Magnesium plant shutdown	IA	J346	Production resumes in W.			association Tin moves ahead Low prices bit Thai mines	SIA	J147 J149
GSA iridium purchase	IA	1082	MANGANESE			Sahara Phosphate rock grinding	MW	J044	Further advance for tin Go-ahead for Cornish tin	8	J163
			Lower price negotiated for	IA	J033	plant Expansion at Siilinjärvi	IA	J050 M093	dredge U.K.: green light for	IA	J170
IRON			Tussle for Caraias manganese	MM	J091	Major project in Sri Lanka Demand growth to continue	MV	J161	offshore tin dredging	MW	J232
U.S. acts on imports	MM	J005	Carajas Mn decision postponed	IA	J149	Jordan phosphate loan Phosphate mine reopened	14	J187	Tin quotas under discussion at London ITC meeting 50 years of research	S	J234 J249
BHP seeks steel assistance No celebration for U.S. iron	IA	J013 J023	Ore treatment plant for Ghana	IA		Polynesian phosphates Duchess mine still in	IA		Remison's tin exploration	IA	J258 J261
fron ore exports for India	IA	J033	Offshore minerals find An alternative source?	IA	J391	doldrums Pakistan phosphate	1/	J238	ITC export quotas Thai tin royalty cut Nigeria considers tin merge	IA	J279 J295
Cleveland-Cliffs increases Empire stake	IA	J033 J057	Manganese talks	IA	J451	exploitation Jordan Phosphates order	1/	J329	Tin ticks over Tin consolidates	8	J306 J325
Two views on iron ore LKAB finalises iron agreement	NIA	J066	MERCURY			drying lines	11	J384	Tin production from Peninsular Malaysia	IA	
The Faleme iron ore project	A	M050 J082	GSA sells off mercury	IA	J150	PLATINUM			No partner for Greenbushes' tin-tantalum project	MW	J376
Short time at Ijmuiden Gloomy OECD forecast for steel	I A	J082 J091	MICA			Rustenburg theft	14	J239	Tin still supported World Bank support for Thai	8	J379
Algoma idles ore unit Wabash extends closure	IA	J099 J099				Platinum tribulations	N	J301	offshore drilling Process to recover Gillian	IA	J382
Goldsworthy: 100 million tonnes	IA	3099	Sharp increase in mica exports	IA	J261	POTASH			tin Temporary closure at Wheal	IA	
World Bank loan for Carajas Government boost for Pilbara	IA	J114				Potash production suspended	I	A J033	Concorde Queensland tin merger	IA	
plan Capanema producing	MW IA	J145 J149	MOLYBDENUM			Jordan starts harvesting Dead Sea salts	P	MO11	Tin: 50 years of research and development	P	N349
Rautuvaara and Hannukainen mines	A	M101	Another step forward at Quartz Hill	MW	J045	PCS cutbacks Potash mining at Boulby	A	A J310 M421	Metal mining in the U.K. Smelters	A	M398 M445
DRI output to fall	MW	J159 J169	Nevados de Famatina tender suspended	IA	J080	Potash study in U.S.S.R.	I	A 3449	Tin steady No Concord	SIA	J393 J420
Ore railway delay Shutdown for Peru's steel plant	IA	J170	Molyhill results U.S. Borax selects		J169	SALT			Peninsula exports Producer pact progress	IA MW	
Noranda's steelworkers accep		J170	Washington plant site Climax to roast Anaconda		J197	Rock salt	A	M425	Tin falters Tin support continues	8	J431 J446
Iron and steel industry crisis	MW	J198	concentrates Climax to extend shutdown Questa mine schedule	IA	J345				Indian tin find ITC quotas affect Aberfoyle	IA	J466
BMP steel reduction Yugoslav minerals find	IA	J202 J219	Teck to sell off Highmont	1/		SILVER			TITANIUM		
Ferrominera: gloomy outlook Quebec shutdowns	IA	J220 J220	stake Molybdenum plant closure	I/	J420	Strong rally for silver	8	J007	***************************************		
Angola to resume iron ore mining?	IA	J238	Boss Mountain closure	I	J450	Peru seeks co-operation on silver prices U.S. silver sales postponed	I		Titanium venture considered Deeside titanium plant		
Goldsworthy agreement Cold comfort from IISI	IA	J260 J289	NATURAL GAS			Peru stops silver production Silver consumption down	n I	A J031	commissioned	18	J397
Minorca mine reopened	IA	J294 J331	Giant LNG project approved	M	W J247	Gold and silver shine	8		TUNGSTEN		
Kostamus ore testing Outlook improves for U.S.	IA	J332	1.02.00			New Mexican silver mine comes on stream Silver in transition	P	W009 J105	Mt. Pleasant on schedule Dimac brings tungsten	MW	J004
Steel Lamco to reduce costs	IA	J346 J382	NICKEL			U.S. silver coin plan Minpeco confirms silver	8		operation on stream Xihuashan: a Chinese	18	J064
Operations resume at Tilden	IA		Nickel jv	1.	A J011	sales	1	A J134	tungsten producer	P	M009
											-

Bishop closure	IA	1099	U.S. uranium in perspective	MW	J159	promise	MW	J444	AWAS declares force majeure	IA	J187
Minor metals quiet	8	3127	Uranium in Virginia	IA	J169	RTZ uranium for Taiwan	IA	J450	Zinc price discord	S	J199
Canada Tungsten to cut	-		Projected cost of the						Avonmouth closure	IA	J202
output	TA	J134	Beverley uranium						European zinc closure fund	IA	J204
Tungsten mine for Thailand	IA	J258	project	IA	J186				Asarco to close fuming		
Woes for wolfram	8	J359	Uranium: power & promotion	N	J193				operations	IA	J220
Metal mining in the U.K.	A	M409	Blyvoor to halt uranium						Cominco Binani expansion	IA	J220
Sinel term	A	M445	output	FÄ	J220				EZ zinc sale	IA	J221
Bishop mill to be re-opened	TA	J419	End for Mary Kathleen	IA	J220	VANADIUM			Polaris Mine	A	M180
Japanese tungsten discovery	IA	J449	Colombian uranium-phosphates	TA	J277	· raine			European producers' closure		
Shutdown for Canada Tungsten		J467	Gabon plans major expansion		J289	Mixed prospects	MW	J181	fund mooted	FEM	J233
Distribute for Canada temperor			Niger accelerates developmen		J289	Union Carbide extends		9191	Zinc plant stake for Mt. Isa	IA	J239
			Niger considers uranium	C 10 14	0800	shutdown	IA	J383	Zinc stocks mount	8	J251
URANUM			cutback	TA	J309	Mustavaara closure	IA	J419	Advance for zinc	S	J275
• · · · · · · · · · · · · · · · · · · ·			New partners for Yeelirrie?	IA		MUSICAVARIA CIOSUFE	IM	2419	Lead and zinc firmer	S	J291
		2011	Mount Taylor on standby	TA					Asarco zinc suspension	IA	J294
Jabiluka agreement reached	IA	J011	Marathon withdraws from	***	0040				Avonmouth force majeure	IA	J294
Ranger shipments for Japan			uranium venture	TA	J363				Lead and zinc steady	S	J306
soon	IA	J033	Agnew Lake to be phased out	IA					U.S. Steel zinc shutdown	IA	J309
Uranium safeguard talks	IA	J051	Tailings clearup	TA		TIME			Hudson Bay zinc denial	IA	J332
Shootaring Canyon uranium	-		Grim tale for uranium	IA		ZINC			Asturiana back to normal	IA	J364
project, Utah	P	W013	Cutbacks for Plateau	1.80	0303				New furnaces for St. Joe	IA	J364
Australian Labor party			Resources	TA	J383	Beaver Creek closure	IA	J012	Lead/zinc output	IA	J364
relents?	MW	J076	Colombian uranium	P	M350	New plant for Vieille			Lead and zinc steady	S	J379
Jabiluka gets official go-				-		Montagne	IA	J012	Smelters	A	M439
ahead	IA	J082	Venture to explore in Guinea	IA	J397	Fall in zinc output	IA	J012	Mineral production targets	MW	J392
High grade uranium find	IA	J098	Uranium deal for India and			China to buy Japanese zinc	IA	J012	Lead and Zinc quiet	8	J393
Jabiluka's viability			France	IA	J399	Lead and zinc	S	J046	Gecamines output	IA	J398
. questioned	NW	J107	Union Carbide joins Marline			Gulf and Western zinc			MIM takes up F.R.G. stake	IA	J420
Cabonese uranium project		****	prospect	IA	J434	decision	AI	J049	Confusion of purpose	MM	J430
proceeds	IA		Westmoreland uranium plans			Lead and zinc: May output	IA	J065	Lead and zinc languish	8	J431
Jabiluka lease granted	IA	J132	thwarted		J434	European zinc	IA	J081	Beaver Creek suspension	IA	J435
Atlas to buy uranium			U.S. Uranium Bill defeated	IA	J435	Electrolytic sinc agreement	IA	J151	Major investment in lead and		
interests	IA	J151	Marline deposit shows			Small gains for zinc	3	J183	zinc	MW	J445

Countries

AL MARILA			****								
ALBANIA			Jabiluka gets official go- ahead	IA		Substantial royalty benefits forecast for Olympic			Ashton evaluation nears completion	MR	J357
A look at Albania's mining and minerals industry	D	W245	Coal: focus on Queensland Cutting down on Australian	H	J089	Mam A solid solution for nuclear	HW	J213	Big Bell decision next year Marathon withdraws from	IA	J363
Albania orders nickel plant		J365	coking coal and iron				NW	J214	uranium venture	IA	J363
Chromium in the Eastern bloc	36	J389	Bamboo Creek jv	IA	J093		IA	J220 J221	Upward grade revision of Scuddles deposit	IA	J363
			Yaamba project proceeds	IA	J098		IA	J221	Mt. Lyell reopens	IA	J365
ALGERIA			CRA withdraws from Wattle		****		P	M171	No partner for Greenbushes'	MW	J376
Algeria to increase iron ore			Gully End of Gunpowder jv	IA	J098 J099		H	M174 M174	tin-tantalum project Process to recover Gillian	DEW.	3376
	IA	J435	Nullagine gold	IA	J099	Roxby Downs report	H	M174	tin	IA	J382
			Goldsworthy: 100 million		J099	Meekatharra upgrades Wintinna	H	M174	Ore reserve assessment for Fimiston	IA	J383
ANGOLA			Japanese comment on	13	2088		H	M174	Queensland tin merger	IA	J384
ARGULA			Australian coal levy	IA	J100	Companies seek 'Mt. Isa'	_		Boyne Island dispute	IA	J384
Italy to supply water systems			Jabiluka's viability questioned	MW	J107	type deposit Mineral Deposits drops	H	M174	Coal-fired ships Australian U enrichment	B	M357
	H	J082 M085	Hill Minerals farms into	-	0701		TA	J237	Ashton agreement	H	M357
Angola to resume iron ore			gold prospects	IA	J112	BMP to close Cook mine	IA	J238	Woodlawn meets the challenge	MW	J391
		J238	Results from Harbour Lights drilling programme	TA	J112	Duchess mine still in	TA	J238	Harbour Lights: good prospect	IA	J397
Angolan Fe ore to expand Wid-year exports from	H	M355	Argosy acquires gold	1.00	4114		IA	J238	Central Kalgoorlie plans	IM	3391
	IA	J420	prospect	IA	J112	Drayton hires labour	IA	J239	drilling on new lease	IA	J397
			Meekatharra upgrades coal	IA	J112	Alternative mining method	KW	J247	Bowen Basin cutback Four day week for Clutha	IA	J398 J398
ANTARCTICA			New coal deposits study	IA	J112		IA	J258	Endeavour reports on Rhondda	14	0.386
			France seeks Yeelirrie stake	IA	J112	Coal loader work for			Colliery group	IA	J399
Mining in Antarctica?	H	MO87	Greenvale smelter: conversion to coal		J112		IA	J261 J272	Pancontinental resumes drilling at Paddington	IA	J419
			Samantha to re-open gold	10	3112		IA	J272 J277	Meekatharra coal find	IA	J419
ARGENTINA			mine	IA	J113	Stuart Shelf copper find	IA	J277	Port Pirie copper plant	IA	J419
			Aberfoyle closures	IA	J113	Mary Kathleen ceases			Paringa expansion	AI	J419
Nevados de Famatina tender suspended	TA	J080	Paraburdoo strike Victoria gold solution?	TA WW	J115 J123	operations Life line for Broken Hill	IA	J277	Queensland cutback expected Groups show interest in Ulan	IA	J420
Japan pulls out of	2.70	0000	Gold venture agreement	IA	J132	minem?	MW	J288	Coal	IA	J420
Argentinian steel			Jabiluka lease granted	1 A	J132		IA	1393	Forestwood to sell off Muswellbrook deposit	**	J421
project Progress at Bajo La	IA	J258	Griffin's Find awaits improved gold price	IX	J132	Roxby Downs silver predictions	TA	J294	Conveyor system for Allied	IA	1421
	NW	J303	Amax earns Beaconsfield	1.4	9132	Urenco technology for			Eneabba	IA	J421
	IA	J466	interest	IA	J132		IA	J295	Gold treatment plant	IA	J421
			Blackhill postponement Blair Athol financing	AI	J133	Ring of confidence at Big Bell	MW	J304	Westmoreland uranium plans thwarted	IA	J434
AUSTRALIA			Fimiston increase planned	IA	J133 J134	Encouraging results for		0004	Metals Exploration to close		
			Hamersley: return to work	TA	J134			J309	Nepean Gold deposits for sale	AI	J435 J436
	IA	J011 J011	Government boost for Pilbara	MW	J145	Remison to reduce exploration		****	Protection for steel?	MA	J443
	IA	J031	plan Boyne smelter opening	IA	J149	budget Japanese to withdraw from	IA	J309	Australia's largest mobile		
	IA	J034	WMC royalty concession	IA	J150	Mt. Arthur		J309	Bond in coal jv	M	J447 J449
R.O.K./W.A. power-aluminium	IA	J049	Consolidation Coal completes acquisition	IA	J150		IA	J309	Final approval for Oaky	IA	2440
	IA	J049	Kooragang contracts	IA	J151	Hartogen sells interest in Wambo project	TA	J311	Creek	IA	J449
	IA	J051	Roxby Downs Bill passed	H	MO86	Order for earth-moving	4.00	0011	Argyle diamond agreement Coal and Allied wins supply	IA	J450
	IA	J051 J064	W. Aust/Korean agreement Aborigines agree to	н	M086	equipment Argyle mine, Australia, will	IA	J311	contract	IA	J450
Queensland gold find	IA	J064	Jabiluka U	H	M087	be one of the world's			Haoma gold mines hopes	IA	J466
Portland completion deferred		J064	Shallow gold in Kalgoorlie	IA	J169	major diamond producers	P	M261	Esso retains Liontown leases	TA	J466
Wodgina treatment starts up W.A. coal handling plant	TA	J064 J066	Molyhill results	IA	J169	Loy Yang - major brown coal		*****	Lease right for Afro-West	IA	J466
Keso out of Yeelirrie	H	W019	BMP to receive temporary	TA	J171	project Some import protection for	P	M265	ITC quotas affect Aberfoyle	IA	J467
New Japan/Australia coal co.	H	MO19	Hawker Siddeley/Aker		0212	mp	н	M269	Gladstone contract for CSR	IA	J467
New Australian coal mine Tarong coal project	H	MO19	agreement	IA	J171		H	M269	Elura moving towards production early in		
	H	M019	German Creek's planned expansion	TA	J186		H	M269 M269	1983	P	M526
Olympic Dam's increasing			Projected cost of the	4 16	0.400		MW	J323	Roxby Downs Ag possibilities	H	M534
Australian Labor party	VAM	J075	Beverley uranium			ACM reports on new prospects	IA	J329	Japanese Companies out of Mt. Arthur	H	M534
	MW	J076	Di wins Jamaican contract		J186 J188		IA	J331 J332	Bungaban coal	н	M534
Metana reports on gold			Coal loader contract for	E.M.	0100		IA	J332 J341	Mitchell Plateau slows down	H	M534
	IA	J080	Matthew Hall	IA	J188	Harbour Lights: good results		J344			
							IA	J344			
Queensland search	IA	J080	Coal search in South	**	1202						
Queensland search Big Bell: more reserves			Australia	IA		Gold results from Kalgoorlie	IA	J344	BAHRAIN		
Queensland search Big Bell: more reserves Coal lease application	IA IA	J080 J080 J080		IA	J202 J202 J204	Gold results from Kalgoorlie New partners for Yeelirrie? Mitchell Plateau project	IA		BAHRAIN Alba boost		J419

BOLIVIA	Heath Steele closure Wabash extends closure	IA IA	J081 J099	Obed Marsh mine onstream next year	IA	J434	CYPRUS		
Bolivia to attend tin producers meeting IA J013	Work on Ridley Island Promising progress at	IA	J112	Wabush closure	IA	J435 J436			J098
Bolivia may join 6th ITA IA J034	Aquarius More graphite for Orrwell	MW	J124 J132		MA	J444	Cyprus Asbestos closure	IA	J420
Mining industry struggles MW J076 Bolivian W find H M087 Bolivian miners strike IA J170	Windy Craggy drilling	IA	J132	workings	IA	J449	CZECHOSLOVAKIA		
Bolivian antimony output cut IA J187	McIntyre start-up delayed Lake Zone expenditure	IA	J132 J133	Sedimentary gold potential	IA	J449 J449 J449	New mining equipment for		
Bolivian strike threat IA J204	Endako shutdown extended Flin Flon reopening	IA	J133 J134	Copper mine written off .	IA	J449 J450	Czechoslovakia Coal crusher at Maxim Gorki	IA	J203
Bolivian strikers return to work IA J220	Newfoundland expropriation Bondar-Clegg wins Key Lake	IA	J150	United Keno Mines to remain			mine Czech anthracite	IA	J220 J293
Bolivian miners return to normal IA J279	contract New Echo Au mill	IA	J150 M085	New Brunswick mine	IA	J450	Czech anthracite	ıa	3293
Overseas exploration by IGS IA J329	Canada tech. for Indian Ni project	н	MOS5	Bankruptcy petition		J450	DOMINICAN REPUBLIC	:	
BOTOWANA	Canadian Cu find	H	M085	withdrawn Minorco/Hudson Bay	IA	J451	Falconbridge resumes	MA	J213
BOTSWANA	Norcen in Obed coal project Falconbridge assays	HIA	M085 J169	Sherritt Gordon contract	IA	J451	Dominican operations	-	3213
Go-ahead for Botswana mine study IA J064	Yukon Ag-Pb-Zn discovery shows promise	AI	J169		H	J451 M531	EGYPT		
Jwaneng becomes Botswana's third major diamond	Possible ore reserve update for Lupin	IA	3170		H	M531 M531	Sinai mine contract	IA	J100
producer MW J123 Botswana coal study H M175	Copper/zinc mine to close in Quebec Shutdown for Fording Coal	IA	J170 J170	CHILE			New life for Maghara coal		J149
Jwaneng diamond mine officially opened P M263	More gold for Long Lac	IA	J186	Chuquicamata concentrator			Radar reveals secrets of Sahara	D	M349
	Further work at Carpenter Lake More coal from B.C.	IA	J186	expansion completed Bad weather affects El	MA	J006		•	
BRAZIL	Alberta coal mine in the	IA	J186	Teniente Chilean copper: April	IA	3012	EIRE		
Japanese loans for Caraias IA J011	offing Manitoba shutdown extended	IA	J187 J187	figures No closures for Codelco	IA IA	J032	More coal for Flair	IA	J329
Expansion plans scaled down IA J012 VAW considers Brazilian	Cyprus Anvil closure to continue	IA	J202 J202	Copper strike threat Credit approval for Chilean	IA	J100	Action brought against Bula Mineral exploration in	IA	J382
smelter freeze IA J031 Canadian coal for Brazil IA J033	Sudbury shutdown extended Golden Rose report Quebec shutdowns	IA	J219 J220	Mining to benefit from	IA	J134	Ireland Mining in the Irish Republic	A	M386 M430
New Brazil/U.K. coal project H M019 Carajas interests the	Offshore mineral wealth	IA	J220 J221	Currency float? New Chuquicamata mill	H	J144 M087	First bauxite arrives at Aughinish	IA	J397
U.S.S.R. IA J080 Tussle for Caraias manganese MW J091	dispute Inco defers Thompson project	H	M177	Chile to denationalise 8 Companies	H	M087	More Irish coal	H	M533
World Bank loan for Carajas IA J114 Carajas Mn decision	Falconbridge test Ontario property	н	M177	Call for bids on Andacollo Chile: Andina's new copper	IA	J186	FINLAND		
postponed IA J149	Polaris Mine Craigmont drills at Chu Chua	IA	M180 J237 J237	bonanza El Indio gold output on	MA	J212			
Capanema producing IA J149 E.E.C. loan for Carajas Fe ore H M087	Option for Noranda Falcombridge drilling	IA	J237	target Investment approval for	MA	J212	Co-operation for Greece and Finland	IA	J013
New mineral province in Brazil IA J169	Camchib suspension Giant LNG project approved	MW	J238 J247	Escondida Davy McKee to work on Chile	H	M177	Finnish aid to Greece	K	M077 M086
Ore railway delay IA J169 Brazilian gold IA J170	Progress report on Beacon Property	IA	J258	project Sur-Sur copper deposit	IA	J310 M281	Mining and mineral exploration in Finland	A	MORD
Doubts over Caraiba Metais IA J186 Union Miniere shows interest	Plans for Golden Rose Timmins talc boost	IA	J258 J259	Chile re-tenders Andacollo	H	M269	Expansion at Sillinjärvi Rautuvaara and Hannukainen	^	M093
in Carajas IA J187 World Bank loan for Carajas	Balmer mine shutdown XIVth Mineral Processing	IA	J259	El Teniente crusher on stream	IA	J384	Vammala mine	Â	M101
Fe H M177 CVRD to exploit Carajas Mn IA J237	Congress East Kemptville sale	IA	J276 J277	Bank loans for Codelco Economics cause Andacollo tender suspension	IA	J451 J466	Consultants and manufacturers	A	M122
Brazilian merger IA J279 Trial operations for La	Bralorne gold project progress	IA	J277	El Teniente pacts	IA	3468	Kostamus ore testing Mustavaara closure	IA	J332 J419
Caraiba IA J293 Brazil to curb imports IA J295	Inco cutbacks Lacana buys oil & gas	IA	J278 J280				Hitura on care and maintenance	TA	J449
New Brazilian mineral province H M269	Properties Red Lake negotiations	IA	J293	CHINA			Peat production grows	MM	J463
Co. may join Carajas project H M269	Cinola study ends soon Inco extends Ontario	IA	J293	China to buy Japanese zinc Coal priority	IA	J012 J025	FRANCE		
Brazil's new Fe ore mine H M269 Brazil's 7kg Au nugget H M269 Brazil's long term copper	PCS fire	IA	J293 J294	Xihuashan: a Chinese tungsten producer	P	MOOD			
strategy MW J321 Japanese mission to discuss	Faro re-opening contemplated PCS cutbacks	IA	J305 J310	Inner Mongolian finds European help for Chinese	H	M017	New shaft at Salsigne France seeks Yeelirrie stake	IA	J044 J112
Albras IA J345 CVRD to exploit Carajas Mn	Further work on B.C. Cu find Drilling resumed at Cu-Co		M267	coal search Expansion detailed	IA	J098	PUK's Pombliere cutback New shaft at Salsigne	P	J113 M081
deposits H M357	project Korean Co. in B.C. venture XIV International Mineral	H	M267 M269	Chinese army prospects for gold	IA	J112	New French Al jv End for Largentiere	IA.	J202
commissioned MW J443 Alunorte delay agreed IA J449	Processing Congress	A	M301	Chinese Au-Ag find Chinese smelter in	H	MOSS	Codelco buys share in French copper company	IA	J332
Expanded gold output for Morro Velho MW J462	Placer to keep Endako closed More cuts for Canada	1 1A	J331	production China to double coal output	IA	J170 J187	Asturienne closed but occupied	IA	J384
Brazil to reduce oil imports IA J467	Tungsten Iron ore layoffs	IA	1333	Chinese coal plant to come on atream	IA	J188	Uranium deal for India and France	IA	J399
BULGARIA	Falconbridge assay results Omenica assay investigation	IA	J344 J344	China plans coal expansion Chinese Army call for Au	H	W177	Government investment in Carmaux	IA	3438
Bulgarian device for	Tantalum shutdown Cassiar shutdown expected	IA	J345 J345	mines Bentonite in Guangzi	H	M177 J237	Export successes for Parsons Chain	IA	J468
treatment of fine	Dome drilling Noranda acquires gold option Macassa surveying error	IA IA	J363 J363	Sumitomo finalises Chinese copper refinery			Giant reamer at work	IA	J468
	Macassa surveying error Agnew Lake to be phased out Gwillim back in operation	IA IA	J363 J363 J364	agreement China plans new coal		J258	GABON		
BURUNDI	Kidd Creek winter shutdown	IA	J364 J366	China seeks aid to develop	IA	1293	Gabonese uranium project		
Possibilities for mineral development in Burundi P M527	Govt. grant for Goldlund Au reserves at Broulan's	IA	J382	New Chinese coal dressing	IA	J309	Gabon U plant completed	H	J113 M175
	Hoyle prospect Problems for Bachelor Lake Gaspe smelter to remain	TA	1382	plant China to double coal output Major Chinese U find	H	M271	Gabon plane major expansion	MA	J289
CAMEROUN	active	IA	J383	Mining in China	H	M271	GERMANY (EAST)		
Stability to pay off? NW J377	Lupin mine: commercial production Shadow over Cyprus Anvil	IA	J383 J383	China's coal industry Chinese coal mine study	IA	M281 J329	River diversion to aid		J084
CANADA	Quebec decision on Baie Comeau		J383	China orders geophysical systems	IA	J365	mining East German copper emelter?	IA	J132
Mt. Pleasant on schedule MW J004	Royalties waived for Smoky River		J383	Chromium in the Eastern bloc Rare metal resources in	N	1389	GERMANY (WEST)		
Copper find in Quebec IA J011 Carolin shutdown over IA J011	Increased exploration activity around	***	0303	China Doubling its coal output	MW	J397 J461			
Inco closure IA J011 Canadian coal mines suffer IA J012	Kirkland Lake Opawica-lac Shortt Au	P	M351	Coal in Inner Mongolia U.K./China coal project	IA	J466 M534	Metallgemellschaft to close smelter	IA	J012
Elsa suspension IA J012 Coal interest for Norcen IA J012	results U waste study	H	N355 N355				Electric LHD for underground	IA	3100
Dome seeks buyer for Cyprus Anvil IA JO13	Further results from Winston Lake	IA	J397	COLOMBIA			End for Alcan's Ludwigshafen plant	14	J259
Canadian woes N J021 The Lupin gold mine NW J023	Further studies for Lynx/	IA	J397	El Cerrejon loan cleared Colombian ferronickel	14	J132	Alcan to close F.R.G.	IA	J278
Financing for Quintette IA J031 Canadian coal for Brazil IA J033	Churchill River	2.0	J397 J399	project on stream BSC to supply rail track	P	M078 J221	Equipment for coal-fired power station	IA	3380
Craigmost explores in B.C. IA J049 Willroy shaft progress IA J064	Compensation Pine Point shutdown Tock cale completed	IA	J419	Colombian uranium-phosphates Cerro Matoso shipments begin	I IA	J277	Little hope for German smelter	IA	J294
Dimac brings tungeten operation on atream IA J064	Teck sale completed Gibraltar Mines agreement More IOC layoffs	IA IA	J420 J421 J421	Colombian uranium Colombia ships ferro-nickel	P	M350 M533	Closure faces Duisburger	IA	J398
Sherritt Gordon extends shutdowns IA J065	Kidd Creek layoffs Canada - crisis of	IA	J421	•	n	MD 33	plant MIM takes up F.R.G. stake Erin mine closure?	IA	J435
Amax four-day week IA J065 New shareholder in Huntec IA J066	confidence Canada's bright spot	N MW	J425 J429	CUBA			German hard coal mine goes for deeper reserves	P	M529
Coal in Canada A MO40 Coal car dumpers M MO58	Further encouragement for Falconbridge Copper	IA		Punta Gorda: half way on New nickel pilot plant	IA	J219 J305	GHANA		
Inco to defer Thompson project IA J080	Arsenic production from Yellowknife		J434	Cuban Ni plants progress Chromium in the Eastern bloc	H	M357	Power problems for Volta		
20									

Ore treatment plant for Ghana		J113 J170	Go-ahead for Indian coal mines Major investment in lead and	AI	J434	Japanese loan for Peruvian development Naoshima expansion		J293 J294	NAMIBIA		
Ghana Mn project complete Cutback for Volta Aluminium	H	M175 J332	Goa steel plant proposed	IA	J445 J450	Philippines seeks Japanese aid		J295	Falconbridge sells off Oamites	IA	J384
Kaiser reassesses shipments		J364	Higher copper output	IA	J466 J467	Japanese to withdraw from Mt. Arthur		J309	NETHERLANDS		
GREECE			Indian Au mine reopened		M534 M534	Japan to boost metals stockpile		N269	BP exits from coal terminal		
Co-operation for Greece and						Developments at Japan Au		M271	project Short time at Ijmuiden	IA	J011 J082
Finnish aid to Greece	H	J013 M086	INDONESIA			Japanese Au, Ag, Cu find Japan to get cheaper S.A.		M271	Bp leaves Dutch coal port	H	M086
Ambitious smelter project	IA	J319 J304	Indonesian coal & Al		J050	coal Japan extends carrier		J384	NEW ZEALAND		
Greek problems for Denison	IA	J365 J434	Contracts Geothermal aid for Indonesia First Al exports from	IA	M017 J277	arrangements Total offers cheaper coal to		J399			
Greek amelter progress Greek amelter news	H	M533	Indonesia	IA	J311 J329	Japan Iron negotiations soon Japanese tungsten discovery	IA IA	J421 J449	N.Z./Japanese coal venture	H	J011 M086 M087
QUINEA			Overseas exploration by IGS Financing for Indonesian alumina		J363	Japan seeks price reduction		J450	N.Z. smelter plans	IA	J293 J293
Liebherr hydraulic shovel			Coal projects for Indonesia	IA	J384	JORDAN			Aramoana talks next year	IA	J345
for Guinea Diamond venture underway	IA	J012 J108	IRAN			Jordan starts harvesting			NICARAGUA		
Funda for Guinea Venture to explore in Guinea	IA IA	J331 J397	New coal mine for Iran	н	M016	Dead Sea salts Jordan Cu study	H	M011 M016	Neptune to be repaid	IA	J467
Funds for Guines project	H	M533	Sar Cheshmeh Cu complex on stream	н	M016	Jordan phosphate loan Jordan Phosphate orders	Al	J187			
GUYANA			Sar Cheshmeh progress Iran cuts down imports of	IA	J098	drying lines	IA	J384	NIGER		
Baunite talks broken off	IA	J239 J366	Fudremukh ors Iranian Fe mines plans	H	J260 M355	KENYA				MW	J289
Guyana to sell bauxite to		J399	Sar Cheshmeh to increase output?	IA	J450	Kenya fluorspar	A	M536	Niger considers uranium cutback	IA	J309
HONDURAS			IRAQ			KOREA (SOUTH)			NIGERIA		
Better prospects for El			Mauritanian Cu study	н	M533	R.O.K./W.A. power-aluminium	IA	J049	Nigeria considers tin merger	IA	J295
Mochito	MA.	J180				W. Aust./Korean agreement South Korea to continue	H	M086	Nigerian miners strike	IA	J468
HUNGARY			ITALY			Indian ore imports	IA	J399	NORWAY		
Problems for coal mining in			Italian aluminium cutback Sardinian bauxite study	H	J065 M017	KUWAIT			Broyt teams up with Akermans		
Hungary	IA	J250	Italy to supply water system for Angolan plant	IA	J082	Euwait acquires copper			Norwegian contract for		J012
ICELAND			Italian En plant contract in Angola	H	M175	interest Kuwait awards contract to		J280	Boxmag-Rapid Electrolytic minc agreement	IA	J050 J151
Isal smelter: no agreement IMF help for Iceland	IA	J451	Non-ferrous metals merger An alternative source?	IA MW	J332	PHB Weserhütte	IA	J420	OMAN		
IMF help for Iceland	IA	J467	Plans for Italian aluminium industry Grant for Italian aluminium	IA	J398	LIBERIA			SSI wins Oman Mining		
INDIA			industry	IA	J467	Liberian mine disaster	IA IA	J260 J382	contract Oman Mining on schedule	IA IA	J280 J363
India offers to take Ashton output	TA	J013	IVORY COAST			Lamco to reduce costs	1.0	0.002	PACIFIC ISLANDS		
Transportable mineral			New impetus for mineral			MADAGASCAR			Chromite mine on stream	TA	J049
processing plant Indian offshore gold search Copper and ilmenite finds in	IA	J031	development	FIR	J198	Hunting study of Madagascar	IA	J219	Ok Tedi work for Dames and Moore	IA	J081
India Seviet Union prepares study for Indian alumina	IA	J031	JAMAICA			MALAYSIA			Polynesian phosphates PNG ban lifted	IA	J219 J279 J308
Project Iron ore exports for India	IA	J031 J033	Fall in Jamaican bauxite Bauxite levy talks	IA	J113 J134	Peninsular tin	IA	J049	PNG feasibility report Drought affects Ok Tedi	IA	1382
Non-ferrous developments India-Romania talks fail	IA	J061 J065	LBI wins Jamaican contract	IA	J187 J188	MMC closes down dredges Kuala Langat progress	IA	J149 M086	SLN considers future of nickel mines Nord seeks Ramu River	IA	J398
Indian order for U.K. Indian gem diamonds Indian Au refinery to be	H	J086 W017	Jamaican bauxite Jamaican bauxite: half year	IA	J220	Tin production from Peninsular Malaysia	IA	J331	partner	IA	J419
built	H	M017	figures Another blow for Jamaican bauxite	IA	J250	Sabah smelter plans dropped Peninsula exports	IA	J382 J421	PAKISTAN		
Indian coal washeries plan India and U.S.S.R. discuss	H	J080	Kaiser to cut Jamaican	IA	J294	MAURITANIA			Barite, En finds in Pakistan	H	M017
alumina project Gullick Dobeon wine major Indian order	TA.	J081	operations Law of the Sea ceremony Bauxite agreement for	IA	J295				Pakistan phosphate Exploitation	IA	J329
MWTC stone Al imports	IA	J082 J082	Jamaica and U.S.S.R.	IA	J421	Delay for Mauritanian copper project Japanese reject Mauritanian	IA	J098	Pakistan graphite Pakistan gems	H	J329 M534
Bihar mine accident Minerals in W.E. India Indian coal mining agreement	TA	J149 J151	JAPAN			proposal Iron negotiations soon	IA	J134 J421			
Indian coal mining agreement Canada tech. for Indian Ni project	H	W085	Japan ex growth		J001	Mauritanian Cu study	н	M533	PANAMA		
project More lignite in Rajasthan Shallow gold discovery in India	и	M086	Japanese loans for Carajas Ranger shipments for Japan	IA	J011	MEXICO			Cerro Colorado still on hold News on Cerro Colorado	IA	J132
Indian aluminium smelters	IA	J186	KOOK	IA	J033 J051	New Mexican silver mine			project Cerro Colorado deferred	H	J169 M269
Cominco Binani expansion	IA	J187 J220	Japan approves deep sea law Sumitomo: more bad news Toyo capacity increases	TA	J065 J065	comes on etream	P	M009	BEBU		
NCB subsidiary wine major contract Indian ilmenite find	IA	J331 M177	Cutting down on Australian coking coal and iron or Anaconda - Japan agreement	eWY	J093	primary excavators Parsons wins Mexican	M	M056	PERU		
Indian Au refineries	N	M177	Japanese comment on		J100	management contract Mexican copper loan		J115	Peru seeks co-operation on silver prices	IA	J013
Indian gold find	ÎĀ	J269	Australian coal levy Antimony import problems	W	J100 J124	Marubeni awarded Mexican	IA	. J132	Peru stops silver production Cipec meets in Lima	IA	J031 J043
Iran cuts down imports of Kudremukh are Lower exports for MMTC	IA	7380 7380	Rare metal plan Hisbikari gold mine	IA	J124 J132	copper contract La Caridad delay	IA	J259 J277	La Granja feasibility study planned	IA	J084
Wharp increase in mica	3A	J261	Japanese reject Wauritanian proposal	IA	J134	New Mexican Cu complex La Caridad financing	IA	M355 J419	Cobrise Cu mine expansion	H	M019 J073
New Rajaethan Pb-In amelters proposed Nutti to reopen Mangalur	100	J273	Japanese stockpiles plans N.2./Japanese coal venture Japanese study new Al	H	J150 N086	La Caridad ore for Japan Space shuttle spots minerals	IA IA	J436 J449	Peru: taking the long view Help for Peru's small mines Minpeco confirms silver	IA	J082
	IA	J294	process	H	M086	Loan for Industrias Penoles Mexico lifts export restrictions on gold		J451	Shutdown for Peru's steel	IA	J134
Gujarat plans Gallium production considered by India	IA	J294 J294	Emergency loan for Japanese anultura Japanese mineral deposit	WW	J180	•			Plant Reprieve for Minneco	IA	J170 J188
Indian refinery expansion India seeks more supplies	IA	J309 J311	find Further boost for Japan's	IA	J186	MOROCCO			Monterrosas - a small Peruvian Cu mines uses		***
	H	M271 J345	rare metals stockpile	IA	J221	Production resumes in W.	MM	J044	Toromocho copper project	P	W171
Indian gold target	IA	J384 N357	Mitsubishi Au tester Supermarket Au sales	H	M177 M177	Phosphate mine reopened Morocco's synfuel plans	P	J187 W172	Shelved Japanese loan for Peruvian	IA	J232
	H	M357 M357	Copper amelters raise output Japan pulls out of	IA	J238	Moroccan Pb/Ag mine reopens Bou Cras PgOs mine reopens Moroccan Cu works study	H	M175	development Peruvian mines strike Snag for Cerro Verde	IA	
Indian coal exploration Indian Au finds			Argentinian steel			Moroccan Cu works study Oil shale test station	R	M533	Mineral production targets	MA	J392
Hindalco plans expansion Indiam gold target Punjab miseral finance Indiam coal exploration Indiam Au finds Copper project opened in India	IA	J398	project	IA	J258	011			SPCC: no expansion plans use		
Copper project opened in India South Korea to continue	EA EA	J398 J399	project Goldsworthy agreement Geothermal aid for Indonesia	IA	J258 J260 J277				SPCC: no expansion plans yet	: IA	3430
Copper project opened in			project Goldsworthy agreement	IA	J260	MOZAMBIQUE Mozambique plans coal mines	н	M018	PHILIPPINES Government aid for copper	: IA	3435

Mining and processing at Masbate, Philippines	A	M020	from S.A. coal project S.A. U mine suspended & Au			Parker to market crushers Invergordon revival thwarted	IA	J080 J081		IA	J032
Pincock, Allen & Holt completes contracts	IA	J203	mine proposed Highveld makes adjustment	H	M271 J331	Britain minting half sovereigns	IA	J082	Another step forward at	MA	J045
Philippines seeks Japanese aid Amacan shipments begin	IA	J295 J310	S.A. gold output down Chromium: South African	IA	J331	Invergordon to be dismantled Carnon Consolidated to		J099	Parachute update Cyprus Mines cutback	IA IA	J049 J049
Dizon concentrates tendered Govt. to increase Pasar	IA	J311	viewpoint Ferrochrome breakthrough for Middelburg	MM	J340 J340	acquire Billiton plant Order for Vidaplate Goodall Clayton wins colliery	TA	J113 J114	Koppers to market Aker	IA	J050 J050
stake CDCP Mining in debt	IA	J366 J398	Krugerrand sales picking up? Kir.ross drilling record	MW	J341 J346	contract SPO Minerals	IA IA	J114 J133	Raymond International wins	IA	J080
Pasar scale down Philippines mining - natural	IA	J434	Thick seam mining aided by flyash fill	MM	J358	New Oceonics division Titan machines for	IA	J149	AMC proposals for stemming		3080
selection	MM	J461	S.A. gold rise Deaths in S.A. mine	IA	J364	Go-shead for Cornish tin	IA	J151	mining decline Exploration pact for BP unit	IA	J081 J084
POLAND			accidents Japan to get cheaper S.A. coal	IA	J366 J384	U.K. energy statistics	IA	J170 J171	Quintana closure Conoco moves out of minerals Jones & Laughlin buys mines	IA	J085 J085 J086
Polish output up Polish coal output up	IA H	J032 M017	Rustenburg pilot plant agreement		J397	U.K. coal: research and development U.K. coal exports to fall	N IA	J178 J187	Freeport to sell property in	IA	3086
Polish copper output increases	IA	J202	Afrikander Lease starts milling own gold ore	IA	J398	Successful equipment show and demonstration	N	J201	A.H. Ross for Mountain States	IA	J086
India buys Polish coal Polish colliery accident	IA	J311 J312	S.A. coal: Middelburg on schedule	MW	J411	Avonmouth closure LCA Pipelines wins contract	IA IA	J202 J203	Shootaring Canyon uranium project, Utah	P	M013
Polish minerals finds Kaszyce mine progress Polish copper rise likely	H H	M267 J398	Brandspruit mining record Krugerrand sales	IA N	J420 J421	Dunlop belting for British Gypsum	IA	J204 J220	Metals find on U.S. Indian reserve U.S./Egypt U pact signed	H	1017
Polish mine accident Polish mine's first output	IA	J399 J420	Deep underground borehole New shaft for President Brand	IA	J432 J449	Avonmouth October reopening? U.K. minting gold half sovereigns	R	M175	High grade uranium find Foote Wineral closure	IA IA	M017 J098 J099
			SPAIN	***		U.K.: green light for offshore tin dredging	MW	1232	Portable crusher for Sierrita mine	IA	J099
ROMANIA						Simplex supplies more locos to NCB	IA	J260	Coal slurry pipeline Bill	IA	J100
India-Romania talks fail Lower exports for MMTC	IA IA	J065 J260	Japan to buy Spanish aluminium U.S.S.R./Spain co-operation	IA B	J050 M086		IA IA	J261 J277	Gallium/germanium objective Quartz Hill: 1984 decision	IA	J108 J112
RWANDA			New mineral discoveries Spanish Fe development	MW	J182 M174	Belvoir decision due Avonmouth returns to production	IA	3277	More cutbacks for Conalco Cities Service saga continues Titanium venture considered	-NW	J113 J125 J132
New five-year plan for			Aluminio Espanol suspends interest payments	IA	J279	Dragline for East Chevington Aluminium contract ended	IA	J279 J280	Henderson cutback: Climax closure	IA	J133
Somirwa	IA	J032	Asturiana back to normal	IA	J364	Avonmouth force majeure Davy McKee wins processing	IA	J294	Asarco to close refinery Promising outlook at Gasquet	IA	J134
SAUDI ARABIA			SRI LANKA			plant job Further step for Belvoir Octavius Atkinson wins NCB	IA	J295 J309	Mountain Setback for NW aluminium		J144 J145
Nahd adh Dhahab project	IA	J239 J280	Sri Lanka finds apatite	н	M019	order New NCB opencast site	H	J311 M267	Newmont buys property Decline in U.S. copper	IA	J149
Saudi desalination facility Gulf Al refinery?	H	M533	Diamond cutting unit Major project in Sri Lanka	MA	M019 J161	Hemerdon public enquiry begins	H	M267	Output Union talks on aluminium	IA	J149
SENEGAL			Mechanised gemming fails in Sri Lanka	IA	J170	Coal addition for Hampton A more precise definition	IA	J332 J356	Atlas to buy uranium	IA	J150
The Faleme iron ore project	A	M050				Oil companies and mining Selby on target	MA MA	J376 J378	interests Hayden smelter system	IA	J151 J181
SIERRA LEONE			SUDAN			Temporary closure at Wheal Concorde From flints to finance	IA E	J383	Troy: Asarco's new silver mine Pd replacement for Au	P	M078
Gold/silver prospecting in			Gold in Sudan Radar reveals secrets of Sahara	IA	J237 M349	Chatterley Whitfield Mining	P	W351	U.S. uranium in perspective	IA	J159
Sierra Leone Sierra Leone layoffs	IA		SHIRTH	P	M349	U.K. technical aid for Indian coal	H	M357	Uranium in Virginia Future for Golden Cross	IA	J169 J169
Sierra Leone kimberlite progress	н	MO85	SWAZILAND			Wineral exploration in the U.K.	A	M358	Mercur gold mine on schedule Order for drill rigs	IA	J170 J171
Marampa rehabilitation finished	IA	J398 J435	KaNgwane gold mine planned	IA	J064	Mineral exploration in Ireland Daw Mill colliery	A	M366 M370	White Pine copper refinery or schedule Noranda Exploration's Oregon	MA	J181
Marampa mines reopen	1.6	3435	SWEDEN			Opencast coal Metal mining in the U.K.	Ā	M393 M398	option Homestake seeks go-ahead for California gold mine		J186
SINGAPORE			Sundsvall cutback	IA	J170	Industrial minerals in the U.K.	A	W413	California gold mine Gas Hills tailings approved JV for Mother Lode		J196 J204
Singapore Gold Exchange restrictions	IA		Swedish mining trucks for Kamoto mine	IA	J171	Potash mining at Boulby Rock salt	A	W421 W425	Drilling work for H & L	IA	J219 J219
Satam Island coal study	IA	J467	TAIWAN			Smelters London Metal Exchange Reclamation	Â	M433 M446 M449	Diamond Reserve Oil and Sohio Western reach settlemen		3219
SOMALIA			Taiwan nickel investment	TA	J149	Consultants and contractors	Ā	M457	Moss Bluff closure	IA	J220
Mineral and energy investments sought	MW	J161	Taiwan Aluminium shutdown Taiwan plant closure	IA	J149 J220	Deeside titanium plant commissioned	IA	J397	Cyprus Pima closure HNG acquires Utah coal reserves	IA	J221
-			Taiwan Aluminium suspension Taiwan seeks coal and ore	IA	J435	A safer year for miners No Concord	IA	J411 J420	U.S. stockpile study Gasquet Mountain - a U.S.	IA	J221
SOUTH AFRICA			freight RTZ uranium for Taiwan	IA	J436 J450	Hall and Pickles acquires FSW Shearer Drums Canadian prospecting venture	IA	J421	nickel laterite project No mine decision in 1984	n	N170
Difficult year shead for South African mining	w	J004	*****			in NW Scotland Reorganization at Capper	IA	J434	Primary stripping with dozers and loaders Offshore minerals find	M	M237
S.A. miners hold ballot Coal export quotas	IA		THAILAND	**	1066	Pass Mining equipment design	IA	J435	Application for gold mining Gasquet Mountain partnership		J237 J237 J237
announced Labour dispute settled	MW	J025 J025	Fall in tin exports Help for Thai Pioneer Thai tin	IA IA	J086 J081 J114	New agent for Mosley	IA	J436 J436	Gilsonite jv Hanna smelter closure \$100 million N.W. smelter	IA	J237 J238
Lower price negotiated for Mn Unrest on S.A. gold mines	IA	J033 J034	Low prices hit Thai mines Tungsten mine for Thailand	IA	J149 J258	Kinneil colliery closure NCB order for Hawker Siddeley	IA	J450 J451	project U.S. stockpile buying	IA	J238
A tangled web Venterwoost fire	HEW I A	J045	Thai tin royalty cut Thailand work for Dravo	IA IA	J279	CEGB to reduce intake European strategic minerals	XA	J488 M533	approved AMC International Mining	IA	J239
Gleacoe colliery closure June Krugerrand sales	IA		World Bank support for Thai offshore drilling Thai shale to be studied	IA	J382	COMMIT 82	A	M571	Show Asarco metal price cute	IA.	J282 J260 J261
Humboldt Wedag screens and centrifuges Salary increase for S.A.	1.4	J066	Thailand lignite study	H	J434 M534	UNITED ARAB EMIRA	TE	S	U.S. cobalt Amax considers Buick sale	MA IV	J272 J273
foremen Great and small	IA		TURKEY			U.A.E. plan metal trade laws	H	M016	Note of optimism at AMC Northwest to halt coal operations	IA	J277
Metal/mineral sales Driefontein accident	MW	J076 J100	Lignite in Turkey	IA	J031	UPPER VOLTA			Contract supply problems for Cyprus Anvil	IA	J278
Krugerrand sales down McAlpine participates is	IA		Turkish lignite study Copper revamp for Turkey	H	M017 J303	Upper Volta Zn Pb-Ag find	19	M016	Inspiration delayed	9.4	J278 J278
colliery expansion Fall in gold from S.A. Fluorspar mining suspended	IA		Phelps Dodge drilling results	IA	J329	oppor tores on ro-mg arms		m010	White River awards contract	IA	1380
Anglo orders from AEG- Telefunken	IA		Hard Times for Turkish chromite producers	MW	J356	U.S.A.			for mine development Minorca mine reopened Snow stops Homestake mining	IA IA	J293 J294 J294 J294
Expansion at Richards Bay Beatrix announces lease	1.4	J170	U.K.			U.S. acts on imports Newmont curtails development	MA	J005	Amax extends shutdown	IA	J294
formula Worcester mine evaluation	14	J202	Invergordon future remains			work Coal recovery project Coal stake sold	IA	J011 J011	coal unit Watthew Hall acquires Pincock, Allen a Holt Wagna recalls some workers Hornsilver-Peerless lease	IA	J294
New record for continuous	I/		New barries mine in Scotland	IA I IA	J012 J031	Coal stake sold U.S. silver sales postponed No celebration for U.S. iron	IA	J011 J012 J013	Pincock, Allen & Holt Magma recalls some workers	IA	J294 J295
Blyvoor to halt uranium	M.0	J213	Government rejects oil-from- coal plan Gearboxes for Selby coalfie		J034	ore miners	MA	8023	Agreement Ranchers reports on drilling	IA IA	J309
output Pali in Krugerrand sales Gold mine costs rise	1/	J221 J259	Conveyor system Workington coal terminal wo	IA	J050	Severance tax relief in Arisona No tax relief in the North-	MA	J024	Norenci operations resumed Anaconda suspends tests Nowlem buys Seni Drilling	IA IA	J309 J309 J310
Gold mine costs rise Demand for S.A. coal drops Krugerrand sales plummet	1/	J260 J279	for Brown-Boveri	IA			IA	J024 J031	interest	IA	J310
New mill for DHE Fluor to build sponge iron plant	11	J280	marketing company Tin production improves	MW	J060	Aleutian gold project Aluminium shipments down JV first gold shipments Phelps Dodge restarts	IA	J031	Climax to roast Anaconda concentrates U.S. gilsonite venture	IA H	J311 N267
General Electric withdraws	10	. Jaeu	Indian order for U.K. Opencast at Buckhead	A	M032	Phelps Dodge restarts furnace	14	J032	Sierrita fights back	MA	

Strike at National Zinc IA										
Strike at National Zinc IA	1331	Space shuttle spots minerals Clayton mine reopens	IA	J449	Coal slurry pipeline for U.S.S.R.	7.4	1907		H	M016
	1332	Fall in U.S. lead output	IA	J450	Buaxite agreement for	IA	J397	Debts mount Swedish mining trucks for		3094
	J337	Coal lease ban	IA	J451	Jamaica and U.S.S.R.	IA	J421	Kamoto mine	IA	J171
	J344	Mystic joint venture	IA	J466	Potash study in U.S.S.R.		J449	Diamond dredger for Zaire	IA	J203
Sohio withdraws from	J345	Lignite leases to be	7.0	J466	Thin seam coal extraction	IA	J450	\$40 million E.E.C. loan for		
	J345 J345	U.S. Antimony discovers gold	IA	J466	Soviet Union to cut 1983	MW	7440		H	M175
	J345	Copper smelter to reopen	IA	J467	Supplies U.S.S.R. coal find	H	J462 M534		IA	J238
	J346	Lignite preparation plant			U.U.U.M. COME IIM	**	MUST		H	M271
Northwest Energy coal		constructed	IA	J468					H	M27
	J346	Californian Au find	H	M531	VENEZUELA			Zaire to sell only half its		
End-slashing cuts costs at		Au leaching permit	H	M531					IA	J365
	J357 J363	U.S. coal pipeline plan	H	M531	Los Pijiguaos plans	IA	J098		IA	J398
Sunshine mine resumption	1363				Venezuela to seek loans for coal and steel projects		J202	Sozacom copper expectations	IA	J450
planned IA	J364	U.S.S.R.			Ferrominera: gloomy outlook	IA	3202			
	J365				Go-ahead for Venezuelan	LA	0440			
	J365	Apatite in Ukraine	IA	J011	bauxite	H	M177			
	J366	Soviet Union prepries study for Indian alumina			Venalum dispute settled	IA	J279	ZAMBIA		
Dresser buys out		project	TA	J031	Carbozulia progress	NW	J323	ZAIVIBIA		
International Harvester business IA	J366	Yakut diamond mine	H	M017	Bauxite agreement	IA	J332	Zambian conner and cohelt	TA	J08
	J382	Recent mineral finds in		MOZ.	Agreement for Venalum	IA	J366	Zambian copper and cobalt f140 million tailings leach	LA	300
	J383	U.S.S.R.	H	M017	Guyana to sell bauxite to Venezuela	7.4	J399		D	M078
Cutbacks for Plateau	0.000	Better utilisation of			venezuela	18	2288		н	MO8
	J383	tailings for fill in							H	M08
White Pine refinery		Russia	D	M064	YUGOSLAVIA			Completion of Zambian vacuum		
	J383	Modernizing Soviet opencast	-	MORA	TOGODENTIA			refinery	MW	J196
Anglo United buys Gowen mine		machinery Carajas interests the	D	M064	Yugoslav mines to double			Expatriate salaries		
stake IA	J384	U.S.S.R.	TA	J080	output	IA	J012	restructured	MM	J24
EGaG buys right-of-way for coal project IA	J384	India and U.S.S.R. discuss	14	0000	Lignite in Dubrava	IA	J031		IA	J27
	M355	alumina project	IA	3080	New Yugoslav barites mine	H	MO17		N	J289
	M355	Soviet Union and Law of the			Yugoslav bauxite output up	H	M017		H	M27
JV to build U.S. coal		Sea	IA	J082	Yugoslav funds for Pakistan			Explosion at Nkana	IA	J36:
	J397	Major international coal			Cu Blancias mine expension	H	M017 J133		IA	J39
Ashland blow to synfuels		industry exhibition,		****	Blagodat mine expansion New Yugoslav lignite mine	H	M086	ZCCM smelter back to normal	IA	J41
project IA	J397	Donetsk, U.S.S.R., 1983		J096 M086	Zletovo-Sasa Pb-Zn	n	MOGO	Assistance for Zambia		J46
	J398	U.S.S.R./Spain co-operation U.S.S.R. coal news	H	M086	development	H	M086			
	J398 J419	New U.S.S.R. Fe ore study	H	M086	Yugoslav minerals find	IA	J219			
	J419	More U.S.S.R. apatite	H	MOB6	Bor mine on schedule	IA	J220			
Permanent shutdown of	0479	Sinking large ore passes in	-		New Yugoslav lignite mine	H	M174			
	J419	mining Kola apatites	D	M153	Kolubara plan	IA	J259			
	J420	Work continues at Aksay	IA	J219	Yugoslav mine expansion	H	M267	ZIMBABWE		
Cities Service operations for		A reusable pneumatic seal fo			Yugoslav Cu mine nears	н	M355	4.		
	J420	Soviet mines	D	M245	completion Yugoslavia's uphill struggle		J409	Zimbabwe mines seek help		
	J421	Survey of Soviet far east	IA	J258	Loaders for Yugoslavian	100	2408	from Government	IA	J06
	J421	U.S.S.R. to buy Indian	TA	J261	group	IA	J420	New aerial ropeway for Shabani Asbestos	IA	J18
United States: Wyoming feels the pinch	J428	Coal reserves in Yakut	B	M269	Lignite in Macedonia	IA	J434	Fund for Empress Mine		J27
Union Carbide joins Narline	3450	Soviet coal pipelines	H	M269	New Yugoslavian mine	IA	J435	Government buys control of	4.00	021
prospect IA	J434	Kostamus ore testing	IA	J332	Yugoslav lead-zinc find	IA	J466	Wankie	MW	J30
	J435	U.S.S.R. Fe ore combine	H	M357				Gatooma smelter: assured		
U.S. uranium Bill defeated IA	J435	Major U.S.S.R. Mn find	H	M357	TAIRE			future	IA	J34
Synfuels - scaling down N	J441	Oktoobri Oil shales	H	M357	ZAIRE			Wankie stake approval	IA	J42
Marline deposit shows		U.S.S.R. coal pipeline	H	M357				World Bank loan for Zimbabwe	IA	J45
promise MW	J444	Chromium in the Eastern bloc	N	J389	Copper loan approved	IA	J065	Empress nickel closure	IA	J46

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ASSAY METHODS			New Czech coal crusher			New continuous haulage			ENERGY & POWER		
			operational	M	J236	system	M	M057			
Metals analysis probe	M	J148	Forged grinding ball manufacture in U.S.A.		J381	Wew chain bucket blending			SU	PPI	JES
Assay furnace with digital			Manufacturers	A	M494	reclaimer	M	M059			
control	M	M238	Autogenous and semi-		Mena	Dowty conveyor order Lister power for World's	IA	3081	Europe's energy options	N	J245
Bulgarian device for			autogenous grinding and	1		longest belt conveyor	IA	J114	Autogenous and semi-		
treatment of fine	м	J433	energy consumption	D	M511	Composite belting	M	J343	autogenous grinding and energy consumption	D	M511
minerals	91	2422	Australia's largest mobile			Coal handling underground	-	0000	energy consumption	W	MOTT
			crusher	M	J447	and surface at Daw Mill	A	M381			
			Portable in-pit crushing			Manufacturers	A	M483	ENVIRONMENTAL COL		
BLASTHOLE DRILLING			system	M	M577	Fail-safe speed monitoring			ENVIRONMENTAL COL	VIF	IOL
						system	M	3447	Chambers don't assess		
New rotary unit with			COMPRESSORS						Chemical dust suppressant with outstanding		
electric control	N	J047	COMPRESSORS			DREDGING			stability	H .	J185
Blasthole drills for Mexico New crawler-mounted rotary	M	J079	New air compressors complete			DHEDGING			Hydrocyclone filter for mine		9 7 9 9
unit from U.S.A.	14	J148	range	M	J360	Of depths and diplomats	A	M228	water spray dust		
Blasthole drilling	-	27.40	V.404	-	0000	Manufacturers	A	M473	control	M	J201
efficiency indicator						New 8 in. to 10 in. dredge	**	8413	A solid solution for nuclear		
ayatem	16	M147	COMPUTERS			has 40 hp cutter drive	M	J394	waste disposal	MW	J214
Riga for opencast work	H	J217					-		Reclamation	A	M449
Speedy new rig introduced	M	J276	In-situ grade simulated by			DRILLING					
New blasthole drill	M	J307	computer	M	J047	DHILLING					
			New software for borehole		J167	War - 11 b-d 4-11					_
			loggers Longwall equipment	36	3167	New all-hydraulic, fully- automated diamond core			EXCAVATORS & LOAD	ER	5
			manufacturer's computer			drill	3.6	3008			
BLASTING & EXPLOSI	VE:	5	design facilities	w	J394	Drills and LHDs for	96	2008	Drills and LHDs for		
			Computers in mining:	_	0004	underground mining	M	3047	underground mining	M	J047
Initiation system	M	J308	progress and pitfalls	A	M560	Manufacturers	A	M465	Large wheel loaders as		MAGG
Pulsed infusion shotfiring			Computer-based control			New down-the-hole drill rig	M	J416	primary excavators Large bydraulic mining	-	M056
on coal faces	М	J380	systems in mining and			Deep underground borehole	M	J432	shovel introduced in		
			minerals processing	A	M564	Field rebuildable carbide			U.S.A.	M	J078
COAL TECHNOLOGY			COMMIT WE	A	M571	button cutter	М	J447	World's largest electric	-	0010
									LHD for underground		
Wear resistant materials - :			CONSTRUCTION			EDUCATION & TRAINI	NG		mining	M	J111
comparison challenged	M	J078	CONSTRUCTION						Primary stripping with		
Wear resistant materials in						Talking together	E	M167	dozers and loaders at		
many applications	M	J096	Fast fastening for elevated			Chatterley Whitfield Mining			U.S. coal mine	M	M237
New cutter-loader	M	J218	steel flooring deckplates	**	J292	Museum	P	M351	New load-haul-dump machines		J307
50 t/h fine coal centrifuge	M	J433	deceptates.	46	2492	Short courses	IA	J436	Cable reel loader	M	J307
									Design of electrically- driven LHDs		*****
***************************************						ELECTRONICS			New hydraulic mining	A	M282
COMMINUTION			CONVEYORS						excavator	M	M323
						South African company in			New generation of cutter	-	m3#3
Grinding mills - rod, ball			New 15 km Jamaican bauxite			Australian mining			loaders	M	M331
and autogenous	A	M197	conveyor	M	3063	market	M	J416	Improved loader and doser	M	J326
										-	- 000

EXHIBITIONS & MEETIN	G	s	Mineral exploration in the U.K.	A	M358	Brakes for off-highway trucks	M	M321	No cheer from the OECD Antarctica mining	N IA	J041 J051
Northern Territory -			Mineral exploration in Ireland	A	M366	Maintenance welding	M	J465	OPEC: moment of truth Yes, but is it ore?	B	J059 M005
exploration potential I Surface mining and quarrying I		J051 J051				MATERIALS HANDLING	3		Peru: taking the long view	N	J073 J076
Mining '85 - International Mining exhibition I	A	J083	INSTRUMENTATION			Advanced bulk handling			Mining industry struggles Help for Peru's small mines	IA	J082 J094
Design and performance of underground excavations I	A	J083	Speed/frequency monitor	M	J148	system Pneumatic conveying	M	J128 J360	Debts mount The IMF reports	N	J141
ABMEC '83 - mines transport I Major international coal	IA	J083	Blasthole drilling efficiency indicator			Pneumatic transport/ industrial vacuum	-	3300	Mining to benefit from currency float?	MM	J144
industry exhibition, Donetsk, USSR, 1983		J096	system Australian-developed slip	M	M147	cleaning	M	J360	Mineral and energy investments sought	MW	J161
Com1 conference I	I A	J115	monitoring system South African mine shovel	M	J166	New roadway signalling key Coal handling underground and surface at Daw Will		J380	A lost cause? New impetus for mineral	N	J177
	A	J115	monitors for Australia Manufacturers	M	J255 M501	Manufacturers	A	M381 M487	development European zinc closure fund	IA	J198 J204
Eurotunnel	AI	J115 J115	Rapid ash and sulphur analysis of coals	м	J416	Lessons to be learned	E	M525	Latin America's financial straits	N	J209
	IA	J115 J171				MINE HOISTING			U.S. stockpile study	IA	J221
China mines investment and	IA	J171	LABOUR			Range of safe, compact			Further boost for Japan's rare metal stockpile		
Mine ventilation design Extractive industry geology	IA	J188	S.A. miners hold ballot	IA	J013	winches from Sweden	M	J096	programme Offshore mineral wealth	IA	J221
'83	IA	J188	Inco reports tentative labour agreement	IA	J013	Winder brakes gain NCB acceptance	M	J326	dispute Of depths and diplomats	IA	J221 M228
Successful equipment show	IA	J188	Noranda strike continues Labour dispute settled	I A MW	J013 J025	MINE MACHINERY			Long-term optimism European producers' closure	MM	J233
Marble and granite mining	IA	J201 J204	Noranda withdraws offer to strikers	IA	J034	MINE MACHINERY			fund mooted U.S. stockpile buying	HA	J233
A new era for non-ferrous	IA	J204	Inco strike ends Unrest on S.A. gold mines	IA	J034 J034	Spin-hardened gears	М	M327	approved Europe's energy options	IA	J239 J245
Lead meeting	IA	J204 J221	Inspiration layoffs Salary increase for S.A. foremen	IA	J051	MINERAL PROCESSING	3		More investment needed	MW	J274
Energy in industrial minerals	IA	J239	foremen Lornex contract ratified	IA	J066 J066	Dense medium separation	M	J009	PNG ban lifted Zambia contemplates closures Life line for Broken Hill	N	J279 J285
Institute on mineral	IA	J239	Bihar mine accident Inco Metals unit to go	IA	J082 J082	Transportable mineral processing plant	M	J028	mines?	MA	J288
IPMI conference rescheduled I Call for symposium abstracts I	IA	J239 J239	BHP jobs to be cut	IA	J083	Protecting flotation machines	M	J029	Problems mount Yes to UNLOSC - regretfully	N	J290 J317
AMC International Mining	M	J252	Matagami contract accepted Homestake mine on strike	IA	J100	Effective flotation collector	M	J063	Redressing the balance Exploration - down but not	N	J337
International coal			Workers recalled Driefontein accident	IA	J100 J100	Mining and processing at	A	M020	A more precise definition	N	J353 J356
Energy storage for energy	IA	J261	Copper strike threat Newmont Mining shutdown	IA	J100 J113	Masbate, Philippines Lime slaking development	M	M057	From flints to finance Stalemate in Geneva	E	J356 M347 J392
Art exhibition	IA	J261 J261	Paraburdoo strike Sierra Leone layoffs	AI	J115 J115	New HI magnetic separator Koppers markets flotation	M	J079	Yugoslavia's uphill struggle No improvement in sight	N	J409 J413
XIVth Mineral Processing Congress	М	J276	Noranda talks fail Western Deep accident	IA	J115 J134	machines Improved flocculant	IA	J081	Canada - crisis of		
Robert Prvor Memorial	IA	J295	Flin Floa reopening Hamersley: return to work	IA	J134 J134	dissolution Prediction of pulp behaviour in sedimentation,	M	J111	confidence Still no recovery	N	J425 J457
Lecture	AI AI	J312 J312	Noranda Mines final offer	IA	J150	in sedimentation,	w	J128	PROCESS CONTROL		
Urban hydrology	IA	J312 J312	Bolivian miners strike Better prospects for El	IA	J170	thickening, etc. Expansion at Siilinjärvi New range of screens	A	M093 J216	PROCESS CONTROL		
XIV International Mineral	IA		Mochito Bolivian tin miners strike	IA	J180 J188	Grinding mills - rod, ball		M197	New flow-meter range	M	J028
American Mining Congress	A	M301 M309	Gold mine tragedy Bolivian strike threat	IA	J204 J204	and autogenous Effective submersible mixers	A		PROSPECTING		
Use of carbon in gold extraction	IA	J332	Noranda makes final offer Bolivian strikers return to	IA	J220	for mineral processing XIVth Mineral Processing		M238	More prospecting in Cyprus	IA	J398
Drivage techniques in coal	IA	J384	work Inco calls back workers	IA	J220 J221	Congress "Transportable" high capacit thickener	N Y	J276	New multi-purpose exploratio	n	J253
Coal: British mining in Art 1680-1980	R	M509	Talking together Drayton hires labour	E	M167 J239	thickener Chrome ore preparation	M	J308	uriii	•	9200
British Mining Associations	IA	J436	Noranda strike ends Strike at Rosebery	IA	J239 J239	XIV International Mineral Processing Congress	A	M301	PUBLICATIONS		
Mining society reunion	IA	J436 J436	Liberian mine disaster Hoboken lavs off workers	IA	J260	Autogenous and sag mills	M	J326 J327			
Coal minerals and petroleum	IA	J436	Bolivian mines return to	IA	J279	Magnetic mill lining Manufacturers	Ā	M497	Mineral exploration and investment grants International technology for	IA	J051
Geosat workshop	IA	J468 J468	normal Venalum dispute settled	IA	J279 J279	Lessons to be learned Computer-based control	E	M525			
South African drilling symposium	IA	J468	Homestake returns to production	IA	J279	systems in mining and minerals processing	A	MB64	amelting industry Quarrying and rockbreaking Heavy metals in Morthern England	R	M055
	IA	J468	Peruvian mines strike Magma recalls some workers	IA	J295 J295				Heavy metals in Morthern England	R	M055
SME-AIME annual meeting	IA	J468 M571	EZ strike over Standard Metal recalls	IA	J295	MINING CHEMICALS			Regional geochemical data Wining Year Book Coal rail contract guide	IA	J083
			workers Polish colliery accident	IA	J311 J312	New production facility for fluids and lubricants	M	J111	Coal rail contract guide	IA	J100
EXPLORATION			Falconbridge shutdown Mount Lyell closure	IA	J331 J331				published West Australian gold study Measurement and control	IA	J151 J151
	NW	J108	Placer to keep Endako closed Strike at National Zinc	I IA	J331 J332	OFFSHORE & DEEP S		ING	Nonparametric geostatistics	R	M145 M145
New software for borehole loggers	M	J167	Iron ore layoffs	IA	J332		MIN	IING	Nonparametric geostatistics Tunnelling '82 Tunnels - Planning, design,		
	MM	J182 J201	Ravenswood remains closed Schefferville gloom	IA	J345 J346	Japan approves deep sea law	IA	J051	construction Commodities and financial	K	M145
Computerised borehole logging systems for			Cyprus Anvil talks fail Deaths in S.A. mine	IA	J346	Of depths and diplomats American Mining Congress	A	M228 M309	futures Warket data report on mining	IA	J304
Australian coal New mineral prospecting	M	J216	accidents Inco layoffa	IA	J366 J384				drilling and excavation equipment	R	M233
system; new	м	J253	Boyne Island dispute Asturienne closed but	IA	J384	OPENCAST MINING			A history of platinum and its allied metals Coal utilisation: technology	R	M233
New technology in airborne	м	J253	occupied Four day week for Clutha	IA	J384 J398	Mining and processing at		M020	Coal utilisation: technology economics and policy	R	M233
PBS-500 printing magnetic			Polish mine accident No improvement in sight	IA	J399 J413	Masbate, Philippines Opencast at Buckhead Articulated dump trucks in	A	M032	economics and policy Australian mineral sands industry	IA	J295
Compensator for airborne	M	J255	Arco labour agreement expires	IA	J421	mine planning and development		M035	Aluminium profile Tellurium and its future	IA	J295 J295
magnetometers Record spending in 1981	MM	J276 J290	Gibraltar Mines agreement More IOC layoffs	IA	J421 J421	New impact rock breaker	ũ	J292	Cadmium in plastics The Discoverers	IA	J312 M320
Exploration - down but not out	N	J353	Kidd Creek layoffs	IA	J421	Mining equipment export Mining in China	A	M259 M274	Mining in the West Colorful mineral identifier	R	M320
Exploration - changing perceptions	N	J373	Falconbridge talks fail National Zinc: return to	IA	J435	American Mining Congress Opencast coal	A	M309 M393	Black Sands	R	M508
Increased exploration			work Sherritt Gordon contract	IA		Manufacturers	A	M475	The World Aluminium Industry	IA	M508 J421
activity around Kirkland Lake Mineral exploration in the	P	M351	Extension Labour problems at Risdon	IA		PIPELINES			Minline Wine ventilation	IA	J421 J438 J436
U.K.	A	M358	Christmas saving for Inco	IA	J451 J451	Wear - and corrosion-			Raolin study Political risks in mining	IA	J436 J451
Mineral exploration in Ireland	A	M366	Nigerian miners strike El Teniente pacts	IA	J468	resistant materials handling pipe	M	J097	Mineral Resources: genetic understanding for		
	A	M457 M464	Cyprus Anvil reaches agreement	IA		PNEUMATICS &			practical applications Mineral deposits and global	R	M574
GSM-9 solar-powered magnetometer	M	J432	Mount Newman strike over	IA		HYDR	AU	LICS	tectonic settings Economic geology and	R	M574
New exploration method	M	J464	LEACHING			The blob and			geotechnics Ore genesis: the state of	R	M574
FLOTATION			Minerals and microbiology	N	J229	The high-pressure water-jet: a new tool for mine and	à		the art	R	M574
New cell with laminar flow	М	J166			0220	quarry	D	M585			
			MAINTENANCE &			POLITICO-ECONOMIC			PUMPING & DRAINAG	E	
GEOLOGY & ORE RESE			LUBRI	CAT	TION	Japan ex growth	N	J001	Low maintenance clurry pump	M	J238
Mining and mineral		M005	Conveyor belt cleaners			Difficult year ahead for South African mining	MA	J004	Manufacturers	A	M484
exploration in Finland	A	M089	compared	M	J255	Canadian woes	N	J021	Improved performance vacuum drum filters	M	J394
											9

Starting sheet assembly Transportable precious metal plant plant magnetic separation facility for magnetic facility facil	Record apending in 1981 Deep borehole logging TAXATION & TARIFFS Severance tax relief in Arizona Bo tax relief in the North- Wort Gold tax Fent for Bonestake TRADE & STATISTICS Fall in sinc output Two views on iron ore Coal in Canada Metal/mineral sales European since Finnish flair Wining and mineral exploration in Finland Consultants and manufactureptinistic forecast Officeast DBI output to fall Demand growth to continue U.K. energy statistics U.K. energy statistics Unantinery over a promotion	MW IA IA N A MW IA IA IA E	J290 J327 J024 J024 J051 J057 M040 J061 J099 M077 M089 M122 J157 J157 J159 J161	S.A. gold rise Slow recovery forecast Primary aluminium output Primary aluminium output Consultants and contractors Stalemate in Geneva Mo progress for producers o pricerisis of condidence United States: Wyoming feel- the pinch Slow recovery? Fall in U.S. lead output Copper down also TRANSPORT - GENERA Ropeway moves abentos at low cost Articulated dump trucks in mine planning and development Coal car dumpers	MW N MW MW IA IA	J394 J378 J383 M446 M457 J392 J425 J425 J428 J450 J450 J450	TUNNELLING & SHAFT SII Sinking large ore passes in mining Kola apartites Lew low hazard resin anchoring system Manufacturers Equipment for shotcreting New raise borers at Las Vegas show UNDERGROUND MINI	D M: M J: A M: A M: M M:
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NHMA consortium to study hydro-cycloses IA J150 Nature IA J150	Two views on iron ore Coal is Canada Metal/mineral sales European since Baunite output Mining and mineral exploration in Finland Consultants and manufacturers Aluminium: an optimistic Defouter of the continue Defout to continue U.K. energy statistics Mindefourpects	M A MW IA IA E A A MW MW MW	J057 M040 J076 J081 J099 M077 M089 M122 J157 J159 J161	Ropeway moves ambestom at low cost Articulated dump trucks in mine planning and development Coal car dumpers New tyre protection chain	M A M	MO35	Equipment for abotcreting New raise borers at Las Vegas show	A MS
Mydro-cyclones IA J150 Mydro-cyclones IA J150 Mydro-cyclones IA J295 Mew gold refining process Mydro-cyclones IA J295 Mydro-cyclones IA J395 Mydro-cyclones IA J	Two views on iron ore Coal is Canada Metal/mineral sales European since Baunite output Mining and mineral exploration in Finland Consultants and manufacturers Aluminium: an optimistic Defouter of the continue Defout to continue U.K. energy statistics Mindefourpects	M A MW IA IA E A A MW MW MW	J057 M040 J076 J081 J099 M077 M089 M122 J157 J159 J161	Ropeway moves ambestom at low cost Articulated dump trucks in mine planning and development Coal car dumpers New tyre protection chain	M A M	MO35	New raise borers at Las Vegas show	M M3
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Time gold refining process IA J295 Improved technology for Mautralia IA J295 Improved technology for Manager Pervals secrets of P M349 Ifa: 50 years of research and development P M349 Consultants and contractors A M460 SAFETY Sethans dilution unit M460 MARGERY MARGARETY Sethans dilution unit M460 MARGARETY Sethans dilution unit M460 MARGARETY	Coal in Canada Metal/mineral make European sinc Bauxite output Finnish flair Mining and mineral exploration in Finland Consultants and manufacturers Aluminium: an optimistic forecast DBI operation DBI operation DBI operation U.K. energy statistics Mixed prospects	A MW IA IA E A A N MW MW	M040 J076 J081 J099 M077 M089 W122 J157 J159 J161	Ropeway moves ambestom at low cost Articulated dump trucks in mine planning and development Coal car dumpers New tyre protection chain	M A M	MO35	Vegas show	
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Radar reveals secrets of Tim: 50 years of research and development Balara Andervelopment Anderve	Bauxite output Finnish flair Mining and mineral exploration in Finland Consultants and manufacturers Aluminium: an optimistic forecast DBI output to fall Demand growth to continue U.K. energy statistics Mixed prospects	IA E A A N W W	J099 M077 M089 M122 J157 J159 J161	Ropeway moves ambestom at low cost Articulated dump trucks in mine planning and development Coal car dumpers New tyre protection chain	M A M	MO35	UNDERGROUND MINI	NG
Time: 50 years of research and development P M349 Consultants and contractors A M460 SAFETY Methane dilution unit M M058 New rock stress monitor sids miss mafetylearing hang-upe underground hang-upe underground M M58 A mafer year for minere M J411 SCREENING Rotating probability screen M J009	Finnish flair Mining and mineral exploration in Finland Consultants and manufacturers Aluminium: an optimistic forecast DNI forecast DNI experts to continue U.K. energy statistics Mixed prospects	A A N NW MW	M077 M089 M122 J157 J159 J161	Ropeway moves ambestom at low cost Articulated dump trucks in mine planning and development Coal car dumpers New tyre protection chain	M A M	MO35	UNDERGROUND MINI	NG
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mine active manufacturing manu	Demand growth to continue U.K. energy statistics Mixed prospects	MW	J161				Articulated dump trucks in	
mine mafety M J128 Novel method of clearing ham-uper underground M J186 Hew roadway signalling key M J330 A mafer year for minere M J411 SCREENING Rotating probability screen M J009	U.K. energy statistics Mixed prospects			Brakes for off-highway	M	J166	mine planning and	
Sovel method of clearing hang-upe underground Hang-	Mixed prospects	IA					development	A MC
How roadway signaling key M J411 A mafer year for miners MW J411 SCREENING Rotating probability screen M J009			J171	trucks	M	M321	Improved shotcreting machine	M J1
New roadway signalling key M J380 in afer year for miners MW J411 SCREENING Rotating probability screen M J009		MW	J181	New 220 t off-highway truck	M	M329	Rautuvaara and Hannukainen	
New roadway signalling key M J380 A mafer year for miners MW J411 SCREENING Rotating probability screen M J009		H	J193	Production support vehicles	16	J343	mines	A MI
A mafer year for miners WW J411 SCREENING Rotating probability screen M J009	Further fall in output	MW	J197	Electric locomotives	M	J361	Polaris mine	A MI
SCREENING Rotating probability screen M J009	Iron and steel industry			Haulmasters sells trucks			A reusable pneumatic seal	
Rotating probability screes M J009	crisis	MW	J198	line to Euclid	IA	J384		D M2
Rotating probability screes M J009	European production down	IA	J203	Manufacturers	A	M491		E MS
Rotating probability screes M J009	Latin America's financial			manual de carera	***	MAGE		A M2
Rotating probability screes M J009	straits	16	J209					A M3
	Short term gloom	1898	J233				Daw Mill colliery	A MS
		Mark.	4433					A MS
AND CITCHIST MOVELOW SCIENCE IN SOME	Big increase in LME stocks	-	J234					
	discourages base metals						Manufacturers	A M4
	Europe's energy options	75	J245				Continuous-profile raise	
	Copper - a need for caution	16	J269				head	M 14
STRATA CONTROL	New mise developments on			TRANSPORT -			Further roof cutting machine	M J4
SIRAIA CONTROL	modest scale	M.M.	J273					
	Aluminium figures	IA	J278	UNDERG	PO!	IND		
New rock stress monitor sids	Brasil to curb imports	IA	J295	UNDENG	100	JIED		
mine safety M J128	Platinum's tribulations	36	J301					
Successful U.E. roof	Mining equipment export	8	M259	Effective materials transport	44			
supports W J148	American Mining Congress	A	M309	with LHD	M	J292	MENTIL ATION O DUGT	
Shotcreting machine for rock	Coal markets fissling out	N	J318	Rope haulage radio-controlle	nd.		VENTILATION & DUST	
consolidation N J185	Redressing the balance	N	J337	from the train	24	J308	001	NTRO
			2331	Design of electrically-drive		2200	CO	ainc
Roof supports control M J235								
New low hazard resin	Chromium: South African		****			MORO		
anchoring system M J380	viewpoint The fibre-optic factor	MM	J340 J341	Liffis Versatile vehicles	A	M282 J361	Manufacturers	A MS

Companies and Other Public Bodies

A			Amax	IA	J065	Argyle Diamond Mines Ptv.	P	N261	IA J420	IA	J435
-			MF J086 IA J132	IA	J133	IA J450 " J458	IA	J466	Aveling Barford	A	M033
Aaria	EA	1363	WW J272 IA J294	MF	J315		IA	J467	Avino Mines	MP	J283
Aberfowle	IA	J049	N J337 IA J345	A	M361	Argyle Diamond Sales	TA	J450	Aver Hitam	MP	J423
MF J109 IA J113		J467	TA J420 N J459	IA	J467	Argyle Mining	16	J458	My CI MICHIN	me.	0.450
Abitibi-Price	IA	J449	Americal Real Property	MP	J439	widing minning	IA	J466			
Adea		J377	American Copper and Nickel	IA	J466	Armon	IA	J397	В		
	MT	J086				Arslanian Freres	IA	J467	•		
Afrikander Lease Ltd.		J398	American Mining Congress	MM	J061	Asarco		J134	Baal Bone		1368
	IA	7.289	W J252 WW J273	R	M259		IA			MF	
Afro-West Mining and				A	M309		IA	J260	Baal Gammon	MF	J368
Exploration	IA	J466	American Nuclear Corp.	IA	J204	1A J294 MF J388	MF	J403	Babcock Gears	M	M327
Agnoniz	IA	J363	Amtenton	IA	J420		IA	J467	Babcock-Moxey	M	J128
Agnew	MP -	J334	Amoco Canada Petroleum	NW	J429	Asbestos Corp.	IA	J150	Bachelor Lake	IA	J382
Agnew Lake	IA	J363	Anaoonda	IA	J100	ASEA	A	M564	Baie Comeau	IA	1383
Agnico-Eagle	MM	J005	IA J310 IA J397	MW	J428	Ashland Coal	IA	J397	Balfour Beatty	IA	J050
WF J243	MP	J470	Andacollo	IA	J466	Ashland Oil	IA	J397	Ballingary	H	M534
Aladdin	HP	J439	Anderson Strathclyde	24	J216		N	J441	Bankfontein	MW	J411
Alberta Oil Sands	H	J442	A M375 MF J403	MF	J439	Ashtos	MW	J357	Barber Greene Co.	A	M199
Albras-Alusorte	IA	J449		MF	J456	N J374 NF J438	IA	J450	W . M238	M	J326
Alcan Aluminium	MF	J190	PT Aneka Tanbang	IA	J363	N J458	IA	J467	Barcarena	IA	J345
IA J259 IA J278	IA	J311	ANFO	A	M539	Asona Instruments	M	J416	Barlow Rand	MF	J352
A W433 IA J397	MF	J401	Anglo American	ME	J015	Associated Ore and Wetal	MF	J299	NV J411	ME	J423
IA J420	16	W534	ME JOSS MF J070	NW	J075	Assoc, of British Wining			Barnes and Tucker No. 2	IA	J451
Alcoa of Australia	MP	J055	MF J085 IA J151	MF	J315	Equipment Companies	IA	J421	Baroi	MW	J445
manage of managements	M22	J471	MF J401 ME J402	M	J432	ndarbment combanzan	FA	J436	Barrow Island	MF	J347
Algoma Steel	TA	J089	MF J437 IA J449	MP	J452	Astek Ptv.	IA	J421	Bartlesville	IA	J451
Aliva Ltd.	H	J185	NE 7454	MW	J462	Asturiana del Zinc Reocin	LA	J364	Bateman Engineering	M	J079
MARIN MAN.	Ā	M547	Anglo American Coal Corp.	ME	J348	Asturienne France	MP	J439	Baule Basin	н	M533
Allan	MIP	J438	WF J350	WP	3401	Atlantic City	MW	J428	Bayda	IA	1363
Allanco	M	M579	Anglo American Corp. do	m.r.	2401	Atlantic Richfield	IA	J421	Bayerische Vereinsbank	H	M533
Allentown Preumatic Gun Co.	Ä	M547	Brasil	MW	J443	Atlantic Michilela	1.04	J428			J451
Allied Colloids	M	J111	Anglo American Gold	MIN.	2442	Atlas Consolidated Mining	-	3420	BC Coal	IA	
Allied Encabba	IA	J421	Investment Co.	MP	J205				BC Resources	IA	J451
Allis-Chalmers	A	M183	Anglo Canadian Exploration		W365	and Development	A	M020	BCL Ltd.	IA	J467
A N197		M579	Anglo Canadian Exploration	A		Atlas Copco	A	M033	Beardmore	MF	J401
Simane A Mile?	MI.	J462		MP	J422	M J096 A M185	M	J360	Beaver Creek	IA	J435
Alsanda	N.		Anglo United	IA	J384	A M539	M	M576	Beaverlodge	MP	J423
	75	J441		MF	J439	Atlas Minerals	IA	1383	Bechtel Canada	A	M180
Alucan	-	J377	Anglovaal	MF	J070	Australian Consolidated			Bechtel Group	IA	J397
Aluminio Espanol SA	IA	J279	MF J298 MF J334	MF	J347	Minerals	MF	J316		14	J442
	MP	J298	Antelope	MW	J428		IA	J363	Behre Dolbear and Co.	MW	J429
Aluminium Bahrain	IA	J419	Anthony Bird Associates	NW	J428	Australian Mining and			Benguet Corp.	MP	J227
Aluminium Co. of America	MP	J190	Arab Mining Co.	28	M533	Smelting	IA	J187		MW	J461
IA J346 WF J401	IA	J449	Aramoana	IA	J345		IA	J220	Beralt Tin and Wolfram	MF	J403
Alunuisse	IA	J398	Arckaringa	WW	J341	Australian Mutual Provident			Beric Engineering	M	J360
IA J451	AZ	J467		IA	J419	Society	MF	J424	Bernold	A	M549
Alumuisse Deutschland	8	J431	ARCO Chemical	M	J185		MF	J455	Beton Construction Materials	A	M553
Amasiros Bants	MF	J401	Ardlethan	IA	3467	Australian National Line	IA	J399	Berzelius Metallhutten	MW	J413
Amalgamated Tin Mines of			Aredor	H	M533	Australian Occidental	IA	J397	Mi South	MP	J471

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Big Bell	IA	J448 J363	Canadian Diamond Drilling Assoc.	N	J425	Systems Control Data Corp.	A	M549 M561	Electric Power Dev Co. Elf-Aquitaine El Hadjar	H M534 NF J438
Big Chief	MP	J368 J375	Canadian Mining Association Canadian General Motors	N	J426 J361	Coolwater	24	J382 J442	El Indio	IA J435 N J375
Big Creek Apex	H	M531 J407	Cape Industries Capper Pass	MF	J403	Cooper Basin	MP	J347 J439	Ellicott Wachine Corp.	M J394 N J374
Bigstone Lake Billiton	H	M531 M398	Caraiba Metals	IA	J435 J321	Copper Range Cordex IV Syndicate	IA IA	J383 J331	Elea El Teniente	TA TARA
IA J397 H M533 Bintan Island	H	M534 J363	Carbones del Zulia Carmaux	MW IA-	J323 J435	Cordtex Cornish Chamber of Mines	A	M539 M398	Hura	IA J364 IA J468 WW J323
Bishop Blackbird	IA	J419	Carnon Consolidated	IA	J420	Cornwall Tin and Mining	A	M398		P M526
Black Mountain Mineral Dev.	N	J375	Carolusberg Deep Ore	MP	J407 J471	Costain Mining	A	J429 M393	Emmaville EMC	MF J439 MF J089 MF J403
Co.	MF	J117 J333	Carpco Carr Boyd Minerals	IA.	J436 J397	CRA IA JOSS MF J175	MP MW MP	J052 J247	Emperor Mines	MF J456
Blagodat Blind River	MF	J410 J424	Cassiar Asbestos Cassinga	IA	J345 J420	MW J301 IA J419	MF	J388 J424	Empire Empress Enami	IA J383 IA J467
Blinkpan Bluebird	MF	J370 J470	Castolin Catalao	MF	J465 J367	IA J450 MF J455 IA J467 MF J471	N	J458 M534	Enami Endako	IA J487 IA J488 N J374
Blyvooruitzicht Boart Drilling	MF	J423 J432	Caternillar	A	M033	Craelius	N IA	J008 J049	Endeavour Resources	IA J399 IA J487
Bohler Bohr- und Drucklufttechnik	м	J047	M M237 M J394 Cathedral Bluffs Cayeli	N	J441 J329		MF	J424 J375	Pagementanest	N J410
Boliden MF J206 MF J401	MF	J054 J413	Cayoguan	MP	J333 J390	Croda Application Chemicals	N	J111	Energy Fuels Nuclear Energy Resources of	
m 0000 m 0101	A	M564	CDCP Mining Corp.	IA	J398 J471	Cromita	N	J449 J390	Australia Energy Transportation	
Bondar-Clegg Bond Corporation	MF	J150 J347	Cedar Bay Celtite	A	M553		IA	J134 J384	Engineering Council	MW J428 IA J261
Bor MF J438	IA	J449 J410	Cement Gun Co. Centennial	MW	M547 J444	Cryogenic Consultants	MF	J423 J009	English China Clays	MF J039 A M413
Borxile Field Bosjesspruit	IA	J466 J420	Central Canada Potash Central Electricity	IA	3033		MF	J351 J467	ENI Enpex Syntaro	WW J391 H J443
Boss Mountain Botswans RET	MF	J450 J019	Generating Board Central Kalgoorlie Gold	ZA	J468	Cuajone	IA	J435 J463	Ensidesa Envirotech Canada	N J443 IA J449 M J433
Bougainville Copper	MP	J103 J375		IA	J397 J043	CVG Ferrominera Orinoco SA	MF	J371 J237	Equipment Winier Equity Silver Mines	P M083
Boukhadra Bouaquet	IA	J435 J397	Central Selling Organisation P M261 IA J450 Cerro Colorado	N	J458 J374	Cyprus Anvil IA J278 MW J305	IA	J202 J346	Erfdeel	WF J387
Bowen Basin	MF	J422 J398	Cerro Matoso S.A.	P	M079	Cyprus Ambentos	IA	J488 J420	Erin Erlau AG	IA J435
Boxmag-Rapid	IA	3050	Cerro Verde	IX	M533 J382	Cyprus Mines Corp.	IA	J049	Ermelo	M J188 IA J388 MW J357
Boyne Island Bozano Simonsen Group	IA	J384 J462	Challenge-Cook Chalmette	MF	3420	D			Escalante	MF J470
RP Lands BP Metals Marketing	IA	J411 J051	Chamber of Mines of South	ME	J016		-		Eschweiler Bergwerksverein Escom	IA J435 MF J452
BP Southern Africa (Pty) Bradford Instruments	MW	J411 J148	Charbagh	MP	J452 M534	Dalny Dames & Moore	MF	J369 J081	Essaouira Essex Minerale	H M533
Brandspruit Colliery Brancade Resources	IA	J420 J436	Charter Consolidated MF J052 MF J118	ME	J036 J135	Davy McKee IA J310 IA J397	IA	J295 J421	Eeso Exploration	IA J436
Breckinridge Brenda Mines	IA MF	J397 J387	MF J228 A M363 ME J406 MF J439	MP	J403 J456	De Beers	H	M533	Esso Resources Canada Etibank	IA J449 MF J241 MW J356 M M056 IA J384
Bridge Oil Brinco	H	M533 J223	Chatterley Whitfield Mining	P	M351	IA J188 MF J316 N J458	IA IA	J480 J487	Ruclid	WW J356
	MF	J350 J413	Chemgold Inc. Chevron Chemical	H	M531	De Beers Botswana Mining Co.	P	M263	European Economic Community	TA J394
Britannia Refined Metals British Aluminium IA J311 A M435	IA	J012	Chemische Fabrik Grunau	A	J428 M553	Dejour Mines Demag Delfilt Ltd.	A	J397 M543	(E.E.C.)	IA J388
British Brown-Boveri	IA	J401 J050	Chibougamau Chigargunta China National Coal	MF IA	J471 J364	Denison Mines	MF	J308 J136	N J488	IA J434 H M533 N J465
British Gypsum British Kynoch Metals	A	M419 M363	Development Corp.	H	M534	Derek Crouch	IA	J365 J150	Eutectic Corporation Exxon Corp. MW J428 N J441	M J468 IA J033 IA J449
British Longwall Mining Assoc.	IA	J436	China Steel Corp. Christenson Inc.	M	J438 J201	Derringer Detour Lake	MA	J439 J429	EZ Industries	MT J172
British Mining Association Congress	IA	J436	Churchill River Power Co.	IA	J399 J043	Devon Dickenson Nines	H	J466 J387	IA J187 IA J239 WW J323 IA J363	IA J295 IA J481
British Mining Consultants British Non-Ferrous Metals	A	M369	Cities Service Co.	N	J337 J099	DJB Engineering	MF	M033 J407		P M526
Assoc. British Petroleum	IA	J033 J011	Cities Service Co. MW J125 IA J420 City Deep	IA MF	J467 J423	Dollar Mining Co. Domego Resources Dome Mines	IA	J434 J240	F	
British Petroleum Co. of	IA	J064	Clarence Colliery	MP	J367 J449	IA J383 WW J429	MP	J470 J013	Fairclough-Parkinson	A M393
Australia British Ropes	R	M534 J063	Clayton-Heyes Engineering Cleveland-Cliffs	M	J201 J033	Dome Petroleum MF J040 MF J285	IA	J468 J470	Falconbridge MF J153 IA J202	IA J080 IA J237
British Ropeway Engineering				IA	J383	Dominion Explorers	IA	J449 J424	IA J238 IA J279	W J388 W J349
Co.	IA	J048 J187	Cleveland Potash Climax IA J345 N J374	N	M421 J337	Dominion International Dominion Terminal Associates		J397 J398	IA J351 IA J344 IA J384 IA J397	NW J430 IA J436
British Shell Coal British Steel Corp. IA J384 A M409	IA	M534 J221		NIA	J459 J420	Donakoye Donakoye	N	J389	TA J434 IA J438 Falcon Wines	MF J101
IA J384 A M409		M439 M527	Clontibret Cluff Minerals	MF	J439 M361		IA	1186 1280	Paro	
	P					Dorbyl Heavy Engineering Dorr-Oliver	M			IA J348
British Sulphur Corp. Broken Hill Assoc. Smelter Broken Hill Proprietary	IA	J419 J013	Clutha Development	IA	J032 J398	Dorr-Oliver Douglas Colliery Dove Holdings	MY	J411 J422	Pederal Resources Corp.	IA J346 IA J383 MF J306
Broken Hill Proprietary IA JOBS MF JOBS MF J189 IA J202	IA IA	J013 J171 J238	Clutha Development Clydach Clydesdale Collieries		J032 J398 J383 J370	Dorr-Oliver Douglas Colliery Dove Holdings Dows Mining	MA	J411 J422 J186 J081	Fernbrook	MV J388 MY J439 IA J438 MY J101 MY J101 MY J389 IA J348 IA J383 MY J208 IA J346 MY J367
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Broken Hill Proprietary IA J083 MF J085 MF J189 IA J202 MF J388 IA J436 Broken Hill South	IA IA MW IA	J013 J171 J238 J443 J468 J191	Clutha Development Clydach Clydesdale Collieries Coal and Allied Industries Coal Contractors Holdings Coal Creek	IA MP IA MP	J032 J398 J383 J370 J450 J439	Dorr-Oliver Douglas Colliery Dove Holdings Down Mining Dowty Neco	MP IA IA MP	J411 J422 J186 J081 M375 J422 J050	Fernbrook Fertecon Finieton Finaminers	MF J367 MW J378 IA J383
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Gascoigne Wood Gaspe	MW J378 IA J383	Hellenic Industrial Development Bank Hemerdon Mining & Smelting	IA J434 A M365	Iron Ore Co. of Canada IA J346	IA J332 IA J421 IA J451	Les Nines Est-Malartic Les Terrains Auriferes Malartic	MF J422
Gasquet Mountain Gecamines Geevor Tin Mines PLC	N J375 IA J398 MF J035	Henderwon	MF J422 N J337		14 0401	Letseng Leyte	N J458 IA J366
Gematone Corp.	MP J438	N J374 IA J421	N J459 MF J471	J		Liberian American-Swedish Minerals Co. (Lamco)	IA J382
Gen Systems and Numec Ltd. Gencor	M J432 MF J085		M J292 IA J436	Jacobina	MF J400 MW J463	Liebherr-France Linden Alimak	IA J012 D M153
MF J190 IA J202	MF J298 MF J423	Hewlett-Packard Hidden Secret	A M561 IA J397	Japanese Gasoline Corp.	IA J419 IA J420	Linden jv Liontown	IA J466 IA J114
General Agreement on Tariffs and Trade	MW J392		IA J219 IA J365 IA J420	Japan International Cooperation Agency Japan Oil Shale Engineering	IA J434 IA J434	Lister Diesels Lithium Corp. of America Little Long Lac	MF J438 MF J223
General Electric	N J458 IA J293 IA J397		IA J331 MF J385	Jarvis Clark	A M185 M J447	LKAB MF J422	MW J429 IA J066
General Services	IA J082	Hillgrove Hindustan Aluminium Co.	IA J421 IA J345	Jefferson City Jeffrey Mining Machinery	IA J435 M M058	Loloma	A M564 IA J384
Administration	IA J150 M J216	Hindustan Copper	MW J061 IA J467	Jerritt Canyon	IA J468 MF J368	London Gold Futures Market	S J291 A M446
Geoex Pty. Ltd. Geological Survey of India IA J258 IA J466	IA J149 H M534		MW J061 MW J445	Jhanjhra	N J375 IA J434	8 J393 E J415 E J431	NW J429 S J446
George Wimpey Geostat Systems	A M395	Hitura Hochschild Group	IA J449 MW J443		IA J435 H M534	Long Lac Mineral Exploration Long Lac Minerals	MF J422
International Getman	M J047 A M185	Holmes Limestone Co.	A M539 M M237	Johannesburg Cons.	MF J070	Lornex MF J175	IA J066 MF J336
Getty Oil	MF J400	Homestake Mining IA J100 IA J117	IA J051 MW J196	ME J154 MF J156 MF J313 ME J314	MF J400	Lubin Ludwigshafen	IA J420 MF J401
GHN Sterkrade M J111	IA J100 A M282		MF J335 IA J421 N J442	John Mowlem & Co. PLC	M J380 IA J310 MF J470	Lucky Friday Lupin	MF J403 IA J383 IA J397
Giant Yellowknife Mines IA J329 MF J350	MF J118 H M531	Hop Kern River Hornsilver Peerless	N J442 MF J403 IA J419	Johnny M Johns-Manville Canada Johnson Matthey	MF J470 IA J150 MF J054	Lynx-Canada Exploration	IA J397
Gibraltar Wines WF J350	IA J031 IA J421 IA J382	Horse Canyon Hot Springs Hoverdale Engineering	IA J383 M J078	Jones & Laughlin	A M443 IA J066	M	
Gladatons	IA J420 IA J467		TA .1382	Jordan Phosphates Joseph Crosfield	IA J384 A M553		
Glamis Gold GN Resources	H M531 MF J471	Hudson Bay Mining & Smelting MF J349 IA J399	MW J444 IA J451	Joy Process Equipment	M J028 M J395	Maandagshoek Macassa	IA J397 IA J363
Golden Wile	IA J344 IA J397	Humboldt Wedag	IA J466 IA J066			Madinon	MF J422 N J375 H M534
Golden Sceptre Golden Sunlight	NW J429 N J375	Hunter Valley No. 1	IA J086 IA J450	K		Makad Malanjkhand Malartic	IA J398 MF J422
Golder Associates	MF J387 A M561	Hunting Geology Hunting Technical Services	IA J219 P M349	Kaiser Aluminum	MF J104	Malaysia Mining Corp.	MF J471 IA J049
Gold Fields Wahd adh Dhahab Ltd.	IA J239	Humky Hutti Gold Mines	IA J450 H M534	IA J133 IA J332 MF J424	IA J420 MF J455	MF J067 IA J149	MF J403 MF J423
Gold Fields Mining Corp.	IA J344 H M531	HVW Hydrocarbon Resources	IA J420 IA J237	Kaiser Jamaica Bauxite Co. Kaiser Resources	IA J364 IA J451 IA J420	Mallappakonda Mallina Holdings	IA J364 IA J449
Gold Fields of South Africa MF J139 MF J222 MF J283 MF J333	MF J037 ME J224 MF J471			K-1 K-2	IA J420 IA J420 IA J420	Mamut Mangalur	IA J382 H M534
Goldlund Mines	MF J471 IA J366 MF J191	1		Kaczyce Kambalda Kamunting Tin Dredging	IA J435 IA J011	Mangula Manitoba Mineral Resources	MF J439 MW J444
Gold Mines of Kalgoorlie Gold Quarry Gold Resources Pty.	N J375 IA J419	Ibbenbüren	P M529	Kanhym Estates Karanga	MW J411 IA J450	Manitowoc Mantos Blancos	IA J100 MF J367
Goliath Mines Goodall Clayton	MW J429 IA J114	Imco Services Imetal	A M361 MF J038	Karonie Katlang	MF J369 H M534	Manville Corporation	MF J190 N J459
Goodman Corporation	IA J151 M J433	Impala Platinum	MF J262 MF J137 ME J264	Kawanaki Steel	NW J356 IA J421	Marampa	IA J398 IA J435 M J307
BF Goodrich Co. R. Goodwin International	M M321	ME J138 MF J263 MF J456 N J458 Imperial Chemical Industries	MW J462	Kellingley Colliery Kemira Oy	IA J384 A M089	Marathon LeTourneau Marathon Manufacturing	M J307 M M056 M J381
Gornji Vakuf Gove	N J410 IA J332	(ICI) IA J397	A M425 M J432	Kensyntar	A M093 N J442	Marathon Steel Co. Marico Fluorspar Marinduque Mining and	MF J423
Gowen	IA J384 MF J439	Imperial Oil Inco	IA J449 IA J011	Kenya Fluorspar Co. Kerr Addison	A M536 MF J019	Industrial Marine Mining	MF J205 A M365
W. R. Grace Granduc	H M531 IA J449	IA J013 IA J034 IA J082 MF J084	IA J080 MW J146	MF J174 IA J363 Kerr-McGee Corp.	MP J387 MP J208	Marion Power Shovel	A M407 M J078
Granges Exploration	MW J444 H M531	IA J187 IA J221 IA J293 MF J334	IA J278 IA J383	Key Lake	MF J453 MF J423 IA J398	Markham Marline Oil Corp.	A M549 IA J434
Great Fingall Great Greta	MF J368 IA J399	IA J384 A M441 IA J435 IA J451	1A J397 MF J453	Khetri Kidd Creek Mines	IA J467 IA J364	Marline Uranium	MW J444 IA J434
Great Mines Great Northern Mining	IA J466 IA J384 MW J376	Inco Alloys Products Inco Electro Energy	MF J453 MF J453	8 J415 IA J421	N J425 NF J438	Marlow Drilling Services	MW J444 M J253
Greenbushes Greenvale Griffin Coal Mining	MF J368 IA J344	Indian Copper Complex Industrial Diamond	IA J467 H M533	Kiena Gold Mines	MF J118	Marubeni Corp. IA J419	IA J259 H M534
Growland	H M534 IA J419	Industrial Minera Mexico Industrial Vibrators Industrias Penoles	MF J386 M J216 MF J102	Kilbarchan Kinneil	MF J370 IA J450	Mary Kathleon Uranium IA J220 Maminokomura	MF J152 IA J277
Gujar Killi Gulf Minerals Canada	H M534 MF J434	Ingersoll-Rand	IA J450 M J276	Kinroes Kirkland Lake	IA J346 P M351	Masua Matanesh	IA J420 MF J469 N J390
Gulf Organisation for Industrial Consulting	IA J331	Ingliston	N J416 MP J439	Kiruna Kitsault	A M564 H J374 P M529	Matla Matthew Hall Engineering	MF J370 IA J188
Gulf Resources	H M533 MF J172	Inskaya Inspiration Coal	IA J397 IA J481	Klockner-Becorit Knob Hill	MF J403	IA J294 Matthey Rustenburg	M J447 MF J400
Gulf and Western Industries	MF J437 IA J012	Inspiration Consolidated Copper	IA J051	Kolubara Kolwesi Komatsu	N J410 IA J450 A M033	McArthur River McIntyre Mines	N J375 IA J238
Gullick Dobson	IA J435 IA J081		IA J451 IA J467	Koppers	A M539 IA J050	McLaughlin	IA J310 N J375
M J148 M J235 A M379 M J394 T. J. Gundlach Machine	M J361 M J464	Institute of Geological Sciences	IA J329	Krebs	IA J081 A M541	McPhar Mine Systems Inc.	IA J421 M J128
Division Gwillia	N J009 IA J364	Institution of Mining and	MW J413	Krupp Industrie-und Stahlbau Krusnoborske Strojirny	M M059	Mechanical Handling	MF J424 M J255
	MF J471	Metallurgy Interminex Inter-Alumina CA	MW 3444	Komorany Group		Engineers' Association Mechim Medscine Bow	H M533 WW J428
н		Inter-Alumina CA International Bauxite Assoc. International Controls Corp.	MA 1285	Enterprise Kumpulan Perangsang	M J236	Meekatharra Minerals	MW J341 IA J419
Hagglunds (U.K.)	и J326	International Energy Agency International Harvester	N J245 IA J203	Selangor Berhad Kuwait Investment Office	MF J423	Melvin Kanamura Merceditas	P M527 N J390
N & L Diamond Core Drilling Nall and Pickles	IA J421	International Iron and Steel	IA J366	Euwait National Petroleum	IA J420	Merritt	MF J424 A M359
Hamersley Holdings Hampshire Energy MW J428	MF J086 IA J345	Inst. International Lead and Zinc	MA 1388	L		Metallgesellschaft AG	MF J439 IA J012
Hampton Areas Australia	H J442 IA J419	Study Group 8 J431	IA J480	Labrador City	IA J421	Metallgesellschaft Canada	IA J420 IA J420
Hampton Areas Australia Hampton Gold Mining IA J332	MF J103	International Minerals & Chemical Corp.	MF J262	Lacana Mining	MF J174	Metallurgie Hoboken-Overpel	IA J279
Hanna Mining MF J155 IA J238 IA J398 IA J419	MF J071 MF J385 MW J462	International Monetary Fund N J209 IA J366	M J141 N J458 IA J467	La Caridad	IA J436		MW J124 IA J449
	H M533	International Primary		Lac Minerals Laisvall	MF J42: A M56:	Services	8 J147
R. A. Hannon Co. Inc. Haoma North West ML Harbour Lights	P MO11 IA J466 IA J344	Aluminium Institute International Tantalite International Tin Agreement	IA J383 MF J424 S J127	Lake Shore Landay Drilling Supplies Largentiere	MF J42: M J29: IA J38-	MF J368	MP J191 IA J435
Harjavalta	IA J387 IA J449	International Tin Council	MW J430 IA J034	Laverton Nickel	IA J46 IA J08	J. Meyerstein Canada	IA J419 IA J436 A M547
Harmony Hartebeestfontein	MF J423 MW J411	MW J107 IA J261 B J431 B J446	8 J418 N J459	Law of the Sea Conference N J177 A M228 N J317 MW J391	IA J29	Miami	A M547 IA J420 IA J420
Hastings Deering	IA J311	International Tin Research	IA J467	LCA Pipelines Lead Development Association	IA J20	Middelburg	MW J411
Haulmasters Hawker Siddeley Engineering	IA J384	Council	WW J249 P W349		MW J41 A M39	MIN Holdings	A M369 IA J133
Have South	IA J481 MF J424	Intradym AG IOL Ltd.	M J128 IA J434	Leigh Creek Leighton Mining	IA J32 MF J43	9 IA JISO IA J171 WP J206 IA J239	MF J176 MF J299
Necla Mining MP 3403	MF J118	Irathane International Irish Base Hetals	M J029 A M366	Lemington Leonora Nickel	IA J46 IA J46	7 MF J334 IA J419	IA J420 IA J449
10							

Minatome Mindev	IA	M365 J420	North Antelope North Broken Hill	MW	J428 J268	Potash Corporation of Saskatchewan	IA	J294		MP	J438 J439
Mineraca Morro Velho	MW	J462	Northern Mining	MF	J438		MF	J438	Salmita	IA	J329
Mineral Deposits	IA	J237 J390	Northgate Exploration	MF	J263 J439	Potosi	N	J390		ii .	M531
Mineralimpeks Mineral Industries Computing	A	M560	MF J300 MF J387 North Kalgurli Mines	MF	J175	Pozament Cement Precismeca Australia	IA	M553 J261	Salzgitter	IA	J321 J365
Mineral Industry Research		****	North Rochelle	MW	J428	Premier	N	J458	Samin	A T	1999
Organisation	M	J047 J128	Northwest Energy Co. Norwest Holst	IA	J346 M032	President Brand	IA MF	J449 J452	Samim Australia	WP WF	J469 J469 J469 J469
Minerals and Resources Corp.		J268	Nuova Italsider	IA	J449	President Steyn	MF	J452	Samim Canada	MF	J469
Minerals Exploration	MF	J367 J428	Hyabikere	P	M527	Preussag	MF	J117	Samim Ocean	MP MF	J469
Minera Real de Angeles	P	M009	_			Prieska	MF	J439 J117	Sana	N	J410
Mines Research and			0			Prijepole	IA	J466	Sandia National Laboratories	M	J327
Development Establishment	M	J201	O & K Orenstein & Koppel	м	J447	Prinos/South Kavala Progemisa	MF	J365 J469	Sandvik Coromant San Giovanni	MP	M576 J469
Mingora	H	M534	Oakbridge	MF	J367	Prok International	IA	J421	San Luis Potosi	MP	J386 J386 J386
Mini-Martap Mining Corporation (Lebowa)	IA	J377 J397	Oaky Creek Oamites	IA	J449	Prominco Prosperity-Porter Idaho	IA	J009 J449	San Martin Santa Barbara	MP	J386
Mining Corporation (Lebowa) Mining Italiana	MF	J469	Obed Marsh	IA	J384 J434	Protex Industries	A	M553	Santa Rosa	N	J442
Minorco	MF	J437 J451	Occidental Petroleum/Tenneco	N	J441	Putzmeister	A	M549	Sao Luiz Saranov	N	J391
Minpeco	IA	J188	Oceanics PLC	MW	J461 J149	_			Sar Chashmah	IA	J389 J450
Mintec Inc	A	M561	Ocean Mining Association Octavius Atkinson & Sons Ltd	MF	J469	a			Sargipali Mine	MA	J445 J356
Missouri Rogers Mitchell Plateau	A	M539 J345	Octavius Atkinson & Sons Ltd	IA	J311	Quartz Hill	N	J374	Sark Kromlari Saskatchewan Mining	MM	J356
	H	M534	Office National de la Tourbe Okapi NV	MF	M527 J439	Queensland Alumina	IA	J420	Development Corp.	H	M533
Mitchell's Flat	IA	J399	Ok Tedi	N	J375	Queensland Phosphate	MF	J471	Saskatchewan Power Corp.	IA	J399 M529
Mitsubishi Australia Mitsubishi Development	IA	J420 J447	Olympic Dam	IA N	J382 J354	Questa	IA	J363	Schaum-Chemie W. Bauer	Ä	M553
Mitsubishi Metal	IA	J345		N	J374	R			Schefferville	IA	J346
Mitsui Mining and Smelting	H	J293 M534	Oman Mining Co.	IA	J363	n			MF J385 Schmeisbasaltwerk Kalenborn	M	J421 J096
Mont	IA	J383	Ombilin	NIA	J410 J384	Rabbit Lake	MF	J424	Schmidt, Kranz & Co.	M	J096 J380
Mobil Molodezhavy	NEW 20	J428 J389	Onaping Resources Onoda Engineering Ontario Geological Survey	IA	J449	Raibl	MF	J489 J434	Scintrex	M	J253
Molyella	MF	J439	Ontario Geological Survey	IA	J434 J449	Rajmahal Rajpura-Dariba	IA	J445		IA	J464 J363 J435
Montabert	P	M083	O'okiep Copper Co. MF J407	MP	J173	Ralph M. Parsons Co.	IA	J115	Scully Secunda Collieries	IA	J435 J420
Monteponi Morenci	MF	J469 J333	OPEC MF J407	MP	J471 J059	Rampura-Agucha Ramu River	IA	J445 J419	Selby	IA WW	1378
Morrison-Knudsen	IA	J366		N	J457	Ranchers Exploration IA J309 MW J357	MF	J419 J207	Selection Trust	A	M361
Morro do Niquel Morro Velho	VEAL	J443 J462	Opewica-Lac Shortt	MW	J429	IA J309 MW J357	MF	J466 J469	Seltrust Engineering Shebandowan	A	J307
Mt. Goldsworthy	MF	J462 J334	Optimum Organisation of Economic	MP	J370	Ranchers Gold and Silver	-	3409	Shell	IA	M361 M561 J397 J277
Mount Emmons	N	J374	Development and			Exploration Program - 1980		****	Shell Coel	WW	
Mount Genis Mount Lyell	MF	J469 J331	Development and Cooperation (OECD) MW J091 MW J413	N	J041 J459	Rand London Corn.	MF	J466 J174	Shell Coal Sherman	MF	J084 J403 J085 J387
	IA	J365	Ortiz	N	J375	Rand Mines	MP	J069	Sherritt Gordon	IA	J065
Mount Nagnet Mount Newman	MF	J385 J451	Osborne Otanmaki	MW	J444	MF J298 MW J411	MF	J423 J456	MF J228 IA J363 MF J438	IA	J367
	IA	J468	Otter Exploration	IA MF	J419 J038	Raposos	MA	J462	Shows Aluminium	IA	J451 J049
Mount Taylor	IA	J345	Ouenza	IA	J435	Rattler Hill	IA	1329	Showa Denko IA J364	MF	J332 J455
Mt. Tolman Mt. Whaleback	NIA	J374 J468	Outokumpu Oy A M112 M J185	A	M089 M187	Rautarukki Oy A M089 A M101	MP	J136 J332	Sibeks	MF	J083
Munster Base Metals	MF	J439	A M112 M J185 MF J352 MW J444	IA	J449	IA J419	P	M529		ME	J087 J321
Murdock Nusongati	IA	J365 M527	Onl Guard	H	M531	Raymond International	IA	J345 J050	Sierrita E M525	MA	J321
Mustavaara	IA	J419	Owl Creek	MF	J438	Real de Angeles	IA	J450	Sigma Colliery Sigma Mines	IA	M577 J420
Nuswellbrook	IA	J399				Reclinghausen	P	M529	Sigma Mines	MP	J470
Mystic I	IA	J421 J466	P			Redclay Holdings	IA	J420 J413	Silver Syndicate Simonius Vischer	H	J407 M533
Mystic II	IA	J466	•			Red Dog Red Lake	MF	J387	Simplex Mechanical Handling		
**			Pacific Cassiar	IA	J449	Redmoor Reed International	MF	J424 M549	Ltd. Singapore Gold Exchange	IA	J260
N			Pacific Copper	MF	J399 J438	Reedrill Inc.	IA	J171	Sioux-Lookout	IA	J306
			Paddington	MF	J401	Remison Goldfields MF J173 IA J258	MF	J116 J309	Skega Smith Boart	IA	J451 J306 M541 J050
Nainital Nannine	MP	J365 J439	Dalaham Mining Co	IA	J419	Reserve Oil	IA	J219	Smith International	IA	J050
National Aeronautics and	mr		Palabora Mining Co. MF J334	MF	J117 J458	Revenue-Virginus	MF	J470	Smoky River Coal Snake River	IA	J383
Space Administration	IA	J449	Pamour Porcupine Mines	MF	J118	Revere Copper and Brass Raynolds Metals Co. IA J081 IA J170	MP	J316 J054	SNC (Canada)	MP WW	J439 J445
National Coal Board IA J084 IA J150	IA	J034 J203	Pancontinental Mining	MF	J350 J400	IA J081 IA J170	MF	J282	Snodgrass Lake	H	M531
IA J221 M J326	IA	J366	Panconcidencal Mining	IA	J419	Rheinisches Zinkwalzwerk	IA	J420 J430	Societe Arabe des Mines de l'Inchiri		M533
MW J378 A M370 IA J436 M J447	IA	M449 J450	Parachute Creek	N	J441	Rhondda Collieries	IA	J399	Societe de Fonderie		
IA J451 M J464	IA	J468	Paraho-Ute Paringa	MF	J442 J351		MF	J438	Marocaine de Cuiure	H	M533
National Zinc	IA	3332		IA	J419	Richard Mosley Richards Bay	MF	J436 J370	Societe de Prayon Societe des Mines de Fer du	MA	J430
National Steel Pellet	IA	J451 J398	Parkes	N	J374	-	MW	J411	Senegal societe Generale de Belgique Societe Le Nickel Societe Nationale Elf	A	M050
Navan	IA	J382	Parcons Chain	IA	J329 J468	Rio Algom Riofinex	MF	J335	Societe Generale de Belgique	MP	J035 J398
Navoria Needham Brothers and Brown	IA	J436	Pathfinder-COGEMA	MW	J428	MULICIA		J153	Societe Nationale Elf		
Ltd.	M	J308	Patino NV	MF	J175	Rio Tinto Minera	MF				J015
NEI International Combustio	n IA	J050		MW	J428	Rio Tinto Mining (Zimbabwe)	MF		Aquitaine	MF	
Nopean			Peabody Peat Methanol Associates	N	J428 J442	Rio Tinto Mining (Zimbabwe)	MF	J173 J467	Societe Nationale Industrielle & Miniere	MF IA	J421
	MP	J368	Peat Methanol Associates Pechiney Ugine Kuhlmann	N N IA	J428 J442 J113	Rio Tinto Mining (Zimbabwe)	MF IA MF	J173 J467 J135	Society of Exploration	MF	
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Nepskoye	IA	J368 J435 J398 J449	Peat Mothanol Associates Pechiney Ugine Kuhlmann Peko-Wallsend	N IA IA MP	J428 J442 J113 J420 J191 J332	Rio Tinto Mining (Zimbabwe) Ltd. 1A J278 MF J336 Rio-Tinto-Zinc Corp. MF J208 ME J226 MF J334 A M361 A M439 MF J403	MF IA MF MF A IA	J173 J467 J135 J227 M398 J420	Society of Exploration Geophysics Sohio Western Mining Solus Industries	IA N	J373
Nepskoye Neptune Mining Nerco	IA IA MW	J368 J435 J398 J449 J467 J428	Peat Wothanol Associates Pechiney Ugine Kuhlmann Peko-Wallsend IA J202 Penarroya IA J202 MW J413	MW IA IA MP IA MF	J428 J442 J113 J420 J191 J332 J014 J439	Rio Tinto Mining (Zimbabwe) Ltd., IA J278 MF J336 Rio-Tinto-Zinc Corp. MF J208 ME J226 MF J334 A M361 A M439 MF J403 IA J450 N J458	MP IA MP A IA	J173 J467 J135 J227 M398 J420 J467	Society of Exploration Geophysics Sohio Western Mining Solus Industries Solv-Ex Corp. Somirwa	IA N IA IA N	J373 J219 J080 J442
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